



Parts Manual

Cummins **Onan**

Performance you rely on.™



RV Generator Set

BGE
BGEL

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.

DANGER

This symbol warns of immediate hazards which will result in severe personal injury or death.

WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

CAUTION

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS

WARNING

Service and repair of Onan equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.

WARNING

Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.

WARNING

Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!

WARNING

Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This parts catalog applies to the standard generator sets listed below. Parts are arranged in groups of related items and each illustrated part is defined by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Using the model and specification number from your generator set nameplate, select parts that apply to your set. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

Model Identification	Rating	Fuel	Voltage	Hertz	Phase
3.5BGEL 53CR 31813	3,500 Watts	LP Liquid	120/240	50	1
3.5BGEL 53CR 31814E	3,500 Watts	LP Liquid	120/240	50	1
3.5BGE 53CR 29236F	3,500 Watts	Gasoline	120/240	50	1
3.5BGE 53CR 29237F	3,500 Watts	Gasoline	120/240	50	1
3.5BGE FN 31813	3,500 Watts	LP Liquid	115/230	50	1
3.5BGE FN 31814	3,500 Watts	LP Liquid	115/230	50	1
3.5BGE FR 31813P	3,500 Watts	LP Liquid	115/230	50	1
3.5BGE FR 31814P	3,500 Watts	LP Liquid	115/230	50	1
4.0BGEL 1R 26110E	4,000 Watts	LP Liquid	120	60	1
4.0BGEL 1R 26111E	4,000 Watts	LP Liquid	120	60	1
4.0BGE 1R 26100	4,000 Watts	Gasoline	120	60	1
4.0BGE 1R 26101	4,000 Watts	Gasoline	120	50	1
4.0BGE 1R 26109	4,000 Watts	Gasoline	120	50	1
4.0BGE FN 29236	4,000 Watts	Gasoline	115/230	50	1
4.0BGE FN 29237	4,000 Watts	Gasoline	115/230	50	1
4.0BGE FN 37593	4,000 Watts	Gasoline	115/230	50	1
4.0BGE FA 11500P	4,000 Watts	LP Vapor	120	60	1
4.0BGE FA 26100P	4,000 Watts	Gasoline	120	60	1
4.0BGE FA 26101P	4,000 Watts	Gasoline	120	60	1
4.0BGE FA 26109P	4,000 Watts	Gasoline	120	60	1
4.0BGE FA 26110A-P	4,000 Watts	LP Liquid	120	60	1
4.0BGE FA 26111A-P	4,000 Watts	LP Liquid	120	60	1
4.0BGE FA 55215A-P	4,000 Watts	Gasoline	120	60	1
4.0BGE FR 26103A-P	4,000 Watts	Gasoline	100	60	1
4.0BGE FR 26104A-P	4,000 Watts	Gasoline	100	60	1
4.0BGE FR 29236P	4,000 Watts	Gasoline	115/230	50	1
4.0BGE FR 29237P	4,000 Watts	Gasoline	115/230	50	1
5.0BGE FA 730P	5,000 Watts	Gasoline	120	60	1
5.0BGE FA 11579P	5,000 Watts	Gasoline	120	60	1
5.0BGE FA 26100A-P	5,000 Watts	Gasoline	120	60	1
5.0BGE FA 26101A-P	5,000 Watts	Gasoline	120	60	1

* – The specification number denotes customer requested options or deviations from a standard (1A, 1B, etc.) model. The specification letter advances (A, to B, to C, etc.) with major manufacturing changes.

Index

- Adapter, Carburetor, **30**
Adapter, Cleaner – Air, **17, 21**
Adapter, Exhaust, **35**
Adapter, Filter – Oil, **14**
Adapter, Generator, **45**
Adapter, Hose – Fuel, **17**
Adapter, Preheater, **17**
Adapter, Reducer, **21**
Arm, Governor, **15**
Assy, Choke Shaft, **23**
- Backplate, Scroll, **33**
Baffle, Valve – Breather, **7**
Ball, Bearing, **15**
Ball, Governor, **10**
Base, Box – Breaker, **27**
Base, Oil, **13**
Bearing, Camshaft, **7**
Bearing, Crankshaft, **7**
Bearing, Needle, **15**
Bearing, Ring – Collector, **45**
Bimetal, Choke, **17**
Block, Brush, **45**
Block, Cylinder, **7**
Board, Circuit – Printed, **47**
Bowl, Fuel, **24**
Box Assy, Breaker, **27**
Brace, Rear, **38, 39, 40, 41**
Brace, Side, **38, 39, 40**
Bracket, **40**
Bracket, Cable – Governor Adjust, **22**
Bracket, Coil – Ignition, **25**
Bracket, Control – Ignition, **25**
Bracket, Exhaust, **35**
Bracket, Gas Regulator, **31**
Bracket, Governor, **22**
Bracket, Holder – Fuse, **47**
Bracket, Housing, **38, 39, 41**
Bracket, Lifting, **33**
Bracket, Line – Fuel, **21**
Bracket, Manifold – Exhaust, **35, 37**
Bracket, Mounting – Diaphragm, **17**
Bracket, Mounting – Filter, **21**
Bracket, Mounting – Housing, **17, 21**
Bracket, Regulator – Gas, **30**
Breaker, Circuit, **47**
Bridge, Rectifier, **45**
Brush, Block, **45**
Bushing, Governor, **10**
Bushing, Reducer, **21**
- Cable, Adjust – Governor, **22**
Cable, Plug – Spark, **25, 26**
Camshaft, **10**
Cap, Drive, **29**
Cap, End, **29**
Cap, End – Drive, **29**
Cap, Fill – Oil, **13**
Cap, Valve, **7**
Cap, Vinyl, **17**
Carburetor, **17, 21**
Carburetor (Gasoline), **23**
Carburetor (LP), **24**
Carburetor Kits, **52**
Carburetor, LPG (Emissions), **31**
Coil, Ignition, **25, 26**
Condenser, Ignition, **26, 27**
Connector, **25**
- Connector, Conduit, **45**
Connector, Hose, **30**
Connector, Housing (8 Pin), **42**
Connector, Receptacle, **45**
Connector, Tab, **45**
Control, **47**
Control, Ignition, **25**
Control, Start – Remote, **42, 43**
Cover, Block – Brush, **45**
Cover, Box – Breaker, **27**
Cover, Choke, **17**
Cover, Control, **47**
Cover, Housing – Choke, **17**
Cover, Inlet – Air, **17**
Cover, Switch – Rocker, **47**
Cover, Valve – RH, **7**
Crankshaft, **11**
Cup, Governor, **10**
Cup, Intake – Oil Pump, **13**
- Drain, Filter – Oil, **14**
- Elbow, **21, 48**
Elbow, Inlet, **17**
Elbow, Inverted, **19**
Elbow, Male, **21**
Elbow, Male – Inverted, **17**
Elbow, Reducing, **21**
Elbow, Street, **21, 30**
Element, Choke, **17**
Element, Cleaner – Air, **17, 21**
Element, Filter – Fuel, **21**
Exhaust System, **35, 37**
- Fan, Armature, **45**
Filter, Fuel, **17**
Filter, Oil, **14**
Filter, Tube – Breather, **9**
Fitting, Vacuum – Intake, **17**
Flange, Exhaust Manifold, **35**
Flywheel, **11**
Fuel System (Gasoline), **17, 19**
Fuel System (LP Liquid), **21**
Fuel System (LPG) Field Conversion, **30, 31**
Fuse, **47, 51**
- Gasket Kits, **52**
Gasket, Adapter – Air Intake, **30**
Gasket, Adapter – Oil Filter, **14**
Gasket, Airhorn, **31**
Gasket, Base – Oil, **13**
Gasket, Bowl, **24**
Gasket, Box – Breaker, **27**
Gasket, Carburetor, **31**
Gasket, Exhaust, **35, 37**
Gasket, Filter – Oil, **13, 14**
Gasket, Head – Cylinder, **7**
Gasket, Horn – Air, **17, 21**
Gasket, Manifold – Exhaust, **35, 37**
Gasket, Manifold – Intake, **17, 21**
Gasket, Mounting – Carburetor, **17, 21**
Gasket, Mounting – Gearcase, **15**
Gasket, Plate, **25**
Gear, Armature, **45**
Gear, Camshaft, **10**
Gear, Crankshaft, **11**
Gearcase, **15**
Generator, **45**

Index

- Governor, **22**
Grommet, Rubber, **38, 39, 40, 41**
Guard, Breaker – Circuit, **47**
Guard, Scroll, **33**
Guide, Valve, **7**
Hanger, Exhaust, **35**
Hanger, Pipe – Exhaust, **37**
Harness, Charger – Battery, **45**
Harness, Wiring, **14, 42, 49, 51**
Harness, Wiring – AC Outlet, **47**
Harness, Wiring – Fuel Pump, **17**
Harness, Wiring – Ignition Relay, **21**
Harness, Wiring – PCB #1, **47**
Harness, Wiring – PCB #3, **49**
Harness, Wiring – Remote, **50**
Harness, Wiring – Voltage Regulator, **47**
Head, Cylinder, **7**
Holder, Fuse, **47, 51**
Hose, Fuel, **17, 21, 30, 31**
Hose, Oil (Vent), **30, 31**
Hose, Preheater, **17**
Hourmeter, **43**
Housing – Below Floor, (Specs 26109, 37593), **40**
Housing – Below Floor Models
 (1985–1992), (Specs 26101, 26104, 26111, 29237, 31814), **38**
 (Begin 1992), (Specs 26101, 26104, 26111, 29237, 31814), **39**
 (Commercial Applications), **41**
Housing, Air, **33**
Housing, Breather, **7**
Housing, Choke, **17**
Housing, Cleaner – Air, **17, 21**
Housing, Cylinder – Air, **33**
Housing, Cylinder – Air, **33**
Housing, Stator, **45**
Hub, Cup – Governor, **10**

Ignition System, **26**
Ignition, Electronic, **25**
Insert, Seat – Valve, **7**
Insert, Valve Seat, **7**
Insulator, Board – PC, **47**
Insulator, Fuse, **47**
Insulator, Terminal – Start, **47**
Isolator, Vibration – Engine End, **13**
Isolator, Vibration – Generator End, **13**

Jet, Idle, **23**
Jet, Power, **23**
Joint, Ball, **22**

Key, Gear – Crankshaft, **11**
Key, Woodruff, **10**
Kit Assembly, Drive, **29**
Kit, Choke Bimetal, **23**
Kit, Choke Pulloff Breaker, **23**
Kit, Conversion, **31**
Kit, Conversion – LP, **30**
Kit, Damper – Governor, **22**
Kit, Drive – Starter, **29**
Kit, Float – Carburetor, **23**
Kit, Gasket – Engine, **7**
Kit, Gasket – Oil Pump, **7**
Kit, Key – Blower Wheel, **11**
Kit, LP Accessory, **31**
Kit, Remote Control, **42, 43**

Kit, Repair – Carburetor, **23**
Kit, Ring – Piston, **9**
Kit, Vacuum Sustain Valve, **23**
Kit, Vacuum Valve Hose, **23**

Label, Kit Number, **31**
Label, Caution, **40**
Label, LP Kit, **31**
Label, Preheat, **17**
Label, Warning, **38, 39, 40, 41**
Labels, **52**
Lead, Box – Breaker, **27**
Lead, Bracket – Filter Mounting, **21**
Lead, Resistor, **45**
Lead, Starter, **28**
Lever, Shaft – Throttle, **24**
Line, Fuel, **17, 21**
Link, Spring – Governor, **15**
Linkage, Choke, **17**
Linkage, Choke – Pull-off, **17**
Lock, Spring – Valve, **7**

Manifold, Exhaust, **21, 35, 37**
Manifold, Intake, **17, 21**
Muffler, Arrestor – Spark, **35**
Muffler, Arrestor – Spark, **37**

Needle, Adjust – Idle, **24**
Nipple, Close, **21**
Nipple, Pipe, **30**

O'Ring, Cap – Oil Fill, **13**
O'Ring, Housing – Stator, **45**

Paint, **52**
Pan, Drip, **13, 38, 39, 40, 41**
Panel Rear, **40**
Panel, Control, **42, 43**
Panel, Housing, **38, 39, 41**
Panel, Left Hand, **40**
Panel, Right Hand, **40**
Pin, Alignment – Gear Cover, **7**
Pin, Center – Camshaft, **10**
Pin, Dowel – Governor Cup Stop, **15**
Pin, Drive – Bearing Stop, **7**
Pin, Hinge, **38, 39, 40, 41**
Pin, Piston, **7**
Piston, **7**
Plate, Bearing – Rear, **7**
Plate, Cover – Ignition Plunger, **25**
Plate, Hinge, **38, 39, 40**
Plate, Throttle, **24**
Plug, Bowl, **24**
Plug, Button – Dot, **33**
Plug, Cap, **48**
Plug, Drain – Oil, **13**
Plug, Head – Square, **30**
Plug, Hole, **47**
Plug, Hole – Core, **7**
Plug, Pipe – Hex, **19, 21**
Plug, Spark, **25, 26**
Plug, Welch – Camshaft, **7**
Plunger, Point – Breaker, **27**
Plunger, Valve – Bypass, **7**
Points, Breaker, **27**
Potentiometer, **47**
Pull-off, Choke, **17**
Pump, Fuel – Electric, **17**

Index

Pump, Oil, **7**

Rectifier, **21, 49**

Reed, Valve – Breather, **7**

Regulator, Gas, **30, 31**

Regulator, LP, **21**

Regulator, Voltage, **47**

Relay (K4), **51**

Relay, Ignition, **21**

Resistor, Charger – Battery, **45**

Resistor, Pump – Fuel, **45**

Resonator, Exhaust, **35**

Retainer – Push-on, **22**

Ring, Collector – Armature, **45**

Ring, Retainer – Choke Housing, **17**

Ring, Retaining – Camshaft, **10**

Ring, Retaining – Crankshaft, **11**

Ring, Retaining – Piston, **7**

Ring, Tolerance, **45**

Rod, Arm – Governor, **22**

Rod, Connecting, **9**

Rod, Inlet – Air, **17**

Rod, Throttle, **22**

Rotor Assembly, Ignition, **25**

Rotor, Generator, **45**

Scroll, **33**

Seal, Dust, **24**

Seal, Dust – Rubber, **24**

Seal, Oil – Crankshaft Front, **15**

Seal, Oil – Crankshaft Rear, **7**

Seal, Oil – Governor Shaft, **15**

Seal, Valve – Intake, **7**

Shaft, Governor, **15**

Shield, Noise, **33**

Snubber, Isolator, **13**

Solenoid, Liquid – LP, **21**

Solenoid, Start, **47**

Solenoid, Vapor – LP, **30**

Spacer, Brace, **41**

Spacer, Mounting – Pump, **17**

Spacer, Muffler, **35**

Spring, Brush – Generator, **45**

Spring, By-pass, **17**

Spring, Compression, **22**

Spring, Governor, **22**

Spring, Needle – Idle, **15, 24**

Spring, Screw – Main Jet, **24**

Spring, Stop – Throttle, **24**

Spring, Valve, **7**

Spring, Valve – Breather, **7**

Spring, Valve – Bypass, **7**

Starter, **28**

Starter Components, **29**

Stator, Generator, **45**

Strap, Ground, **13**

Strap, Muffler, **35**

Stud, Adjustment – Speed, **22**

Stud, Grounding, **45**

Stud, Long Extended Shaft, **45**

Support, **40**

Support, Hinge, **38, 39, 40, 41**

Support, Housing, **38, 39, 41**

Switch, Pressure – Low Oil, **14**

Switch, Rocker, **42, 43, 47**

Tappet, Valve, **7**

Thread Sealant, **52**

Tie, Cable, **28, 45, 47**

Tube, Breather, **17, 21, 48**

Tube, Bypass – Breather, **48**

Tube, Exhaust, **35, 37**

Tube, Housing – Choke, **17**

Tube, Idle, **24**

Tube, Oil – Cylinder Block, **7**

Valve, Exhaust, **7**

Valve, Fuel Shutoff, **31**

Valve, Intake, **7**

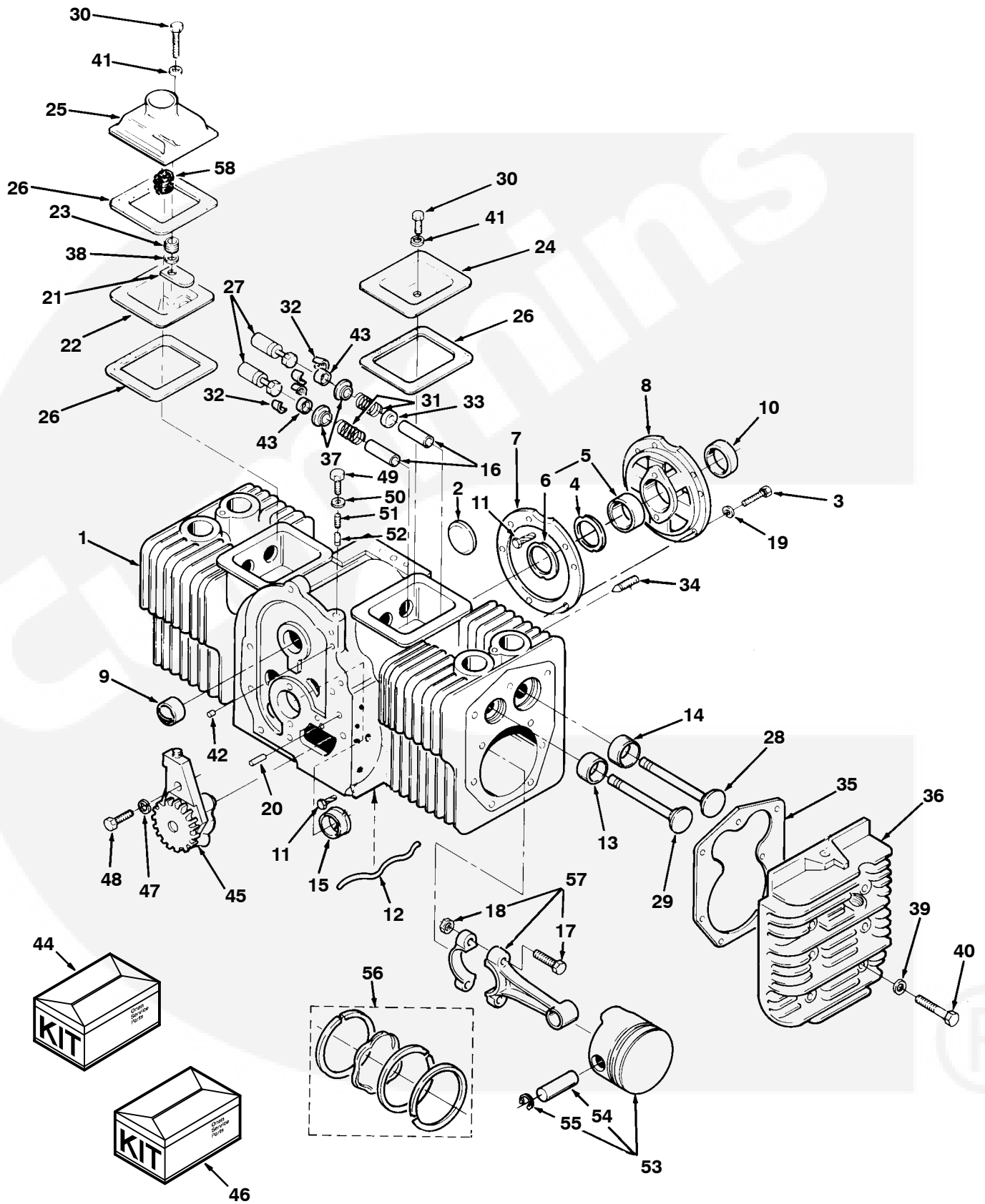
Valve, Shut-off – Fuel, **21**

Valve, Shut-off – Oil Base, **13**

Wheel, Blower, **11**

Yoke, Governor, **15**

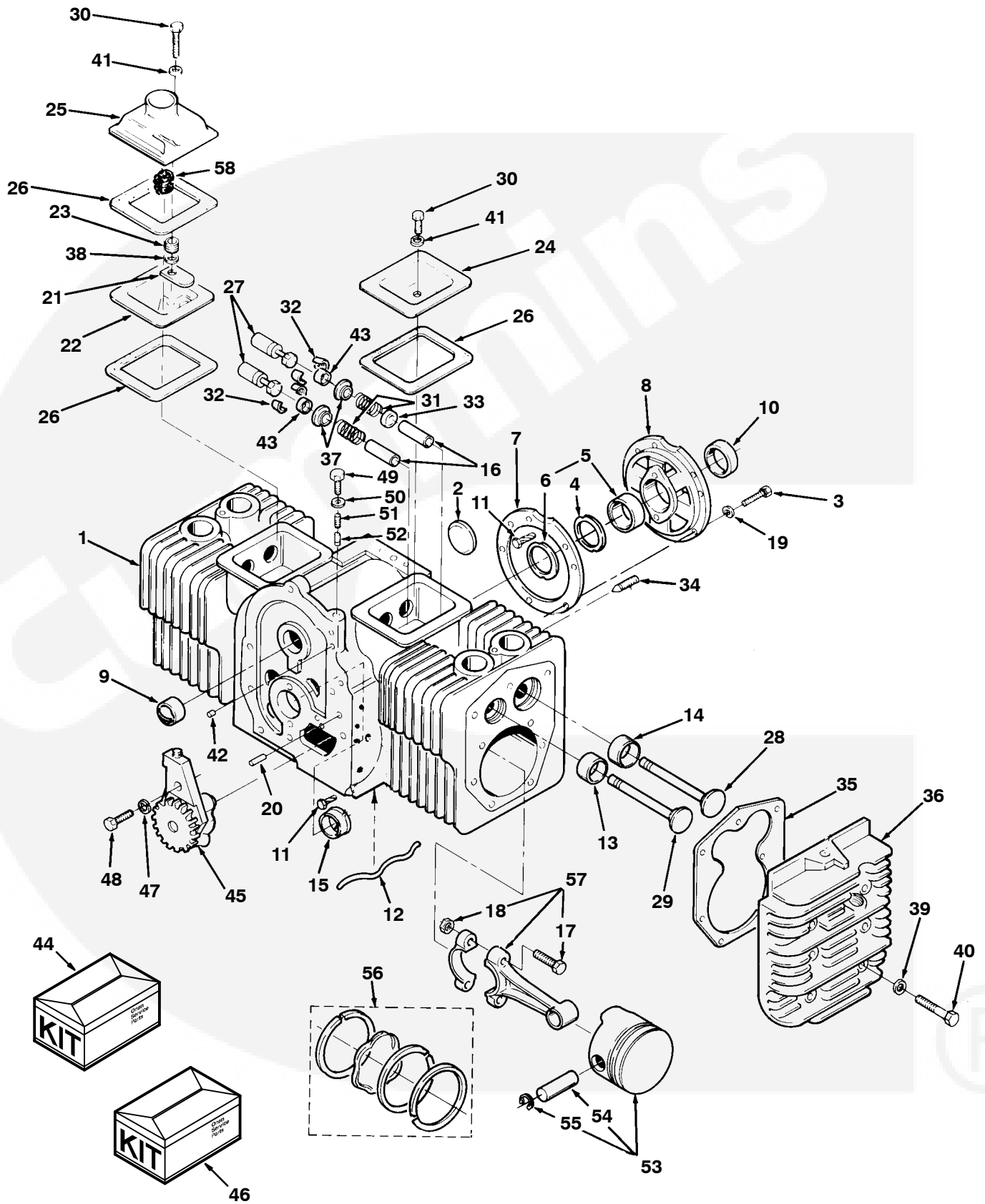
Cylinder Block



Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Block, Cylinder (See Short Block Catalog #932-0109)	26	110-3709	3	Gasket, Cover – Valve
2	517-0048-01	1	Plug, Welch – Camshaft	27			Tappet, Valve
3			Screw, Cap		115-0006	4	Standard
	800-0575	5	Spec F–H, Flanged Head (3/8–16 x 1–1/8")		115-0006-02	4	.002" Oversize
	800-0051	5	Begin Spec J, Hex Head (3/8–16 x 1–1/4")		115-0006-05	4	.005" Oversize
4	104-0776	1	Shim, End Play – Crankshaft	28	110-3479	2	Valve, Intake
5			Bearing, Crankshaft – Rear (Includes Thrust Washer)	29			Valve, Exhaust
	101-0804	1	Standard		110-3480	2	Stellite
	101-0804-02	1	.002" Undersize		110-3515	2	Standard
	101-0804-10	1	.010" Undersize	30	800-0010	2	Screw, Cap – Hex Head (1/4–20 x 1–3/4")
	101-0804-20	1	.020" Undersize	31	110-3485	4	Spring, Valve
	101-0804-30	1	.030" Undersize	32	110-3511	8	Lock, Spring – Valve
6	104-0575	2	Washer, Thrust	33	509-0289	2	Seal, Valve – Intake
7	101-0809	1	Gasket, Plate – Bearing	34	803-0071	2	Screw, Set – Socket (3/8–16 x 5/8")
8	101-0439-01	1	Plate, Bearing – Rear	35	110-3181	2	Gasket, Head – Cylinder
9	101-0405	2	Bearing, Camshaft	36			Head, Cylinder
10	509-0041	1	Seal, Oil – Crankshaft Rear		110-3509	1	Right Side
11	516-0072	4	Pin, Drive – Bearing Stop		110-3508	1	Left Side
12	120-1320	1	Tube, Oil – Cylinder Block	37	110-3487	4	Washer, Retaining – Valve Spring
13			Insert, Valve Seat – Exhaust	38	526-0018	1	Washer, Flat (1/4")
	110-1824	2	Standard	39	526-0122	18	Washer, Flat (5/16")
	110-1824-02	2	.002" Oversize	40	800-0571	18	Screw, Cap – Hex Head (5/16–18 x 2–1/4")
	110-1824-05	2	.005" Oversize	41	526-0063	2	Washer, Flat – Copper (1/4")
	110-1824-10	2	.010" Oversize	42	517-0067	1	Plug, Hole – Core
	110-1824-25	2	.025" Oversize	43	110-3510	4	Cap, Valve
14			Insert, Valve Seat – Intake	44			Kit, Gasket
	110-0197	2	Standard		168-0189	1	Carbon Removal/Valve Grind
	110-0197-10	2	.010" Oversize		168-0192	1	Engine, Complete
15			Bearing, Crankshaft – Front	45	120-0491	1	Pump, Oil
	101-0805	1	Standard	46	120-0161	1	Kit, Gasket – Oil Pump
	101-0805-02	1	.002" Undersize	47	740-1004	2	Washer, Flat (M6)
	101-0805-10	1	.010" Undersize	48	800-0007	2	Screw, Cap – Hex Head (1/4–20 x 1")
	101-0805-20	1	.020" Undersize	49	801-0049	1	Screw, Cap – Hex Head (3/8–24 x 7/8")
	101-0805-30	1	.030" Undersize				Washer, Flat – Copper (3/8")
16			Guide, Valve	50	526-0066	1	Spring, Valve – Bypass
	110-3527	2	Exhaust	51	120-0140	1	Plunger, Valve – Bypass
	110-3526	2	Intake	52	120-0398	1	Piston (Includes Pin and Retaining Rings)
17	114-0392	4	Bolt, Rod – Connecting	53			Standard
18	870-0533	4	Nut, Self-Locking (5/16–24)		112-0264	2	.005" Oversize
19			Washer		112-0264-05	2	.010" Oversize
	850-0050	5	Spec F–H, Lock (3/8")		112-0264-01	2	.020" Oversize
	526-0402	5	Begin Spec J, Flat (3/8")		112-0264-02	2	.030" Oversize
20	516-0141	2	Pin, Alignment – Gear Cover	54	112-0229	2	Pin, Piston
21	123-1175	1	Reed, Valve – Breather	55	518-0311	4	Ring, Retaining
22	123-1173	1	Baffle, Valve – Breather				
23	123-1174	1	Spring, Valve – Breather				
24	110-1879-01	1	Cover, Valve – Right Hand				
25	123-1649	1	Housing, Breather				

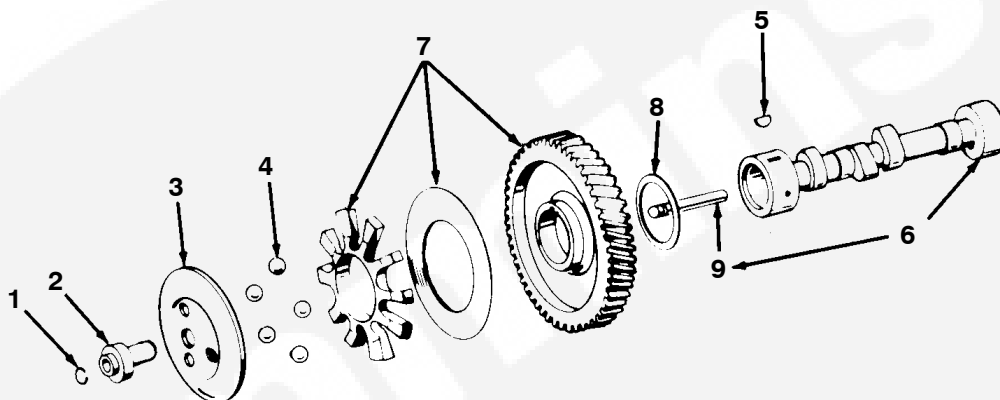
Cylinder Block



Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
56			Kit, Ring – Piston Specs E–H	57			Rod, Connecting (Includes Bolt and Nut)
	113-0314	2	Standard		114-0397	2	Standard
	113-0314-05	2	.005" Oversize		114-0397-10	2	.010" Undersize
	113-0314-10	2	.010" Oversize		114-0397-20	2	.020" Undersize
	113-0314-20	2	.020" Oversize		114-0397-30	2	.030" Undersize
	113-0314-30	2	.030" Oversize	58	123-1871	1	Filter, Tube – Breather
			Begin Spec J				
	113-0310	2	Standard				
	113-0310-05	2	.005" Oversize				
	113-0310-01	2	.010" Oversize				
	113-0310-02	2	.020" Oversize				
	113-0310-03	2	.030" Oversize				

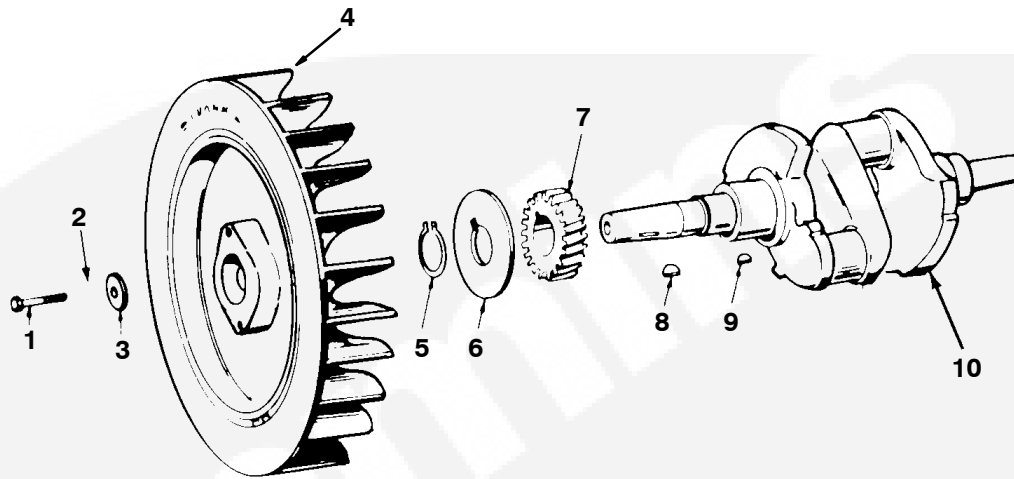
Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0078	1	Ring, Retaining
2	150-1519	1	Hub, Cup – Governor
3	150-1520	1	Cup and Bushing, Governor
4	510-0015	10	Ball, Governor
5	515-0001	1	Key, Woodruff

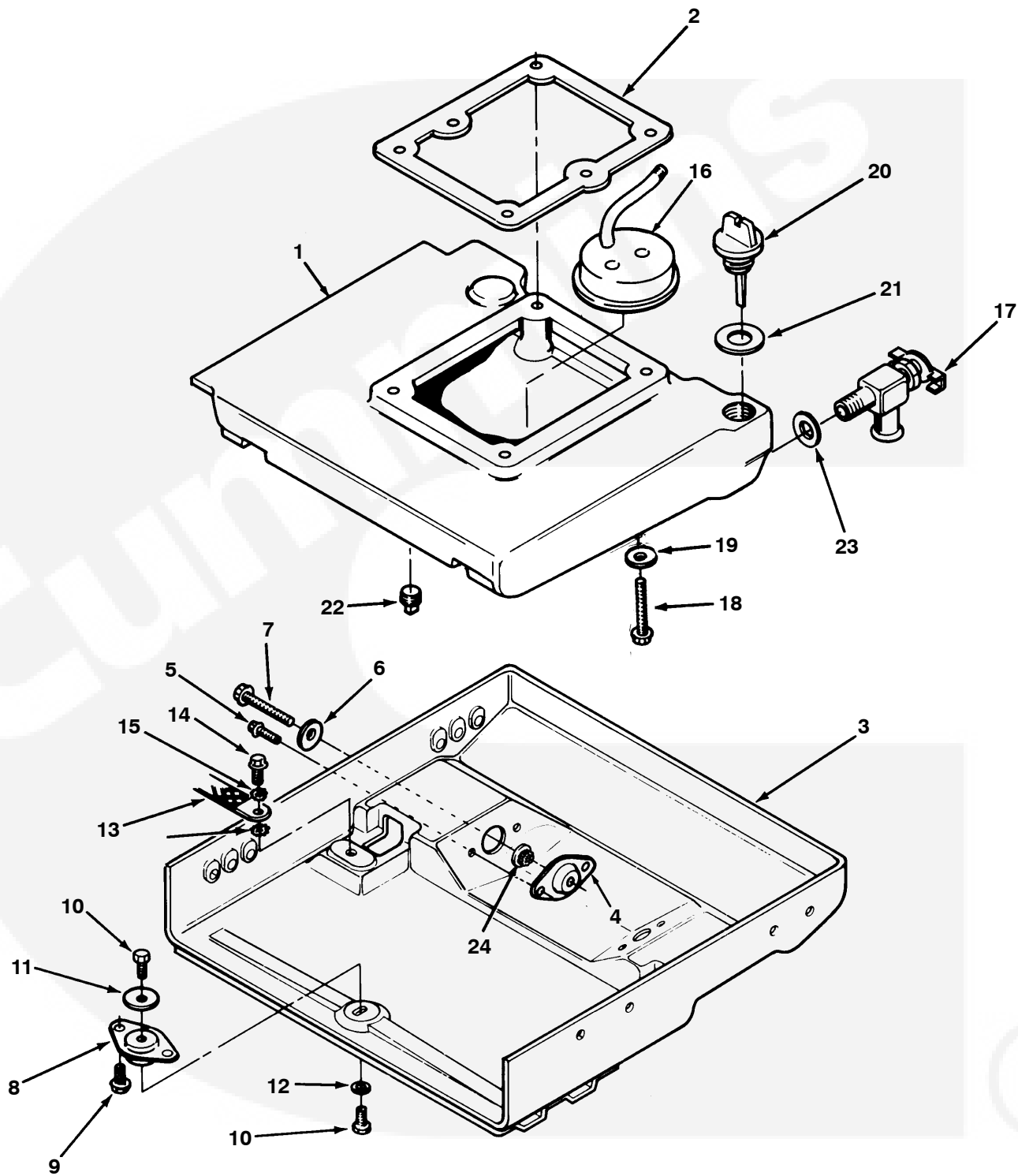
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	105-0637	1	Camshaft (Includes Center Pin)
7	105-0700	1	Gear, Camshaft (Includes Gear, Spacer and Plate)
8	105-0541	1	Washer, Thrust
9	150-0075	1	Pin, Center – Camshaft

Crankshaft and Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-0170	1	Screw, Cap – Hex Head	6	104-0043	1	Washer, Gear
2	526-0356	1	Washer, Flat (7/16")	7	104-0032	1	Gear, Crankshaft
3	526-0017	1	Washer, Flat (7/16")	8	515-0263	1	Kit, Key – Blower Wheel
4	134-4342	1	Wheel, Blower	9	515-0001	1	Key, Gear – Crankshaft
5	518-0014	1	Ring, Retaining	10	104-1735	1	Crankshaft (Includes Keys)

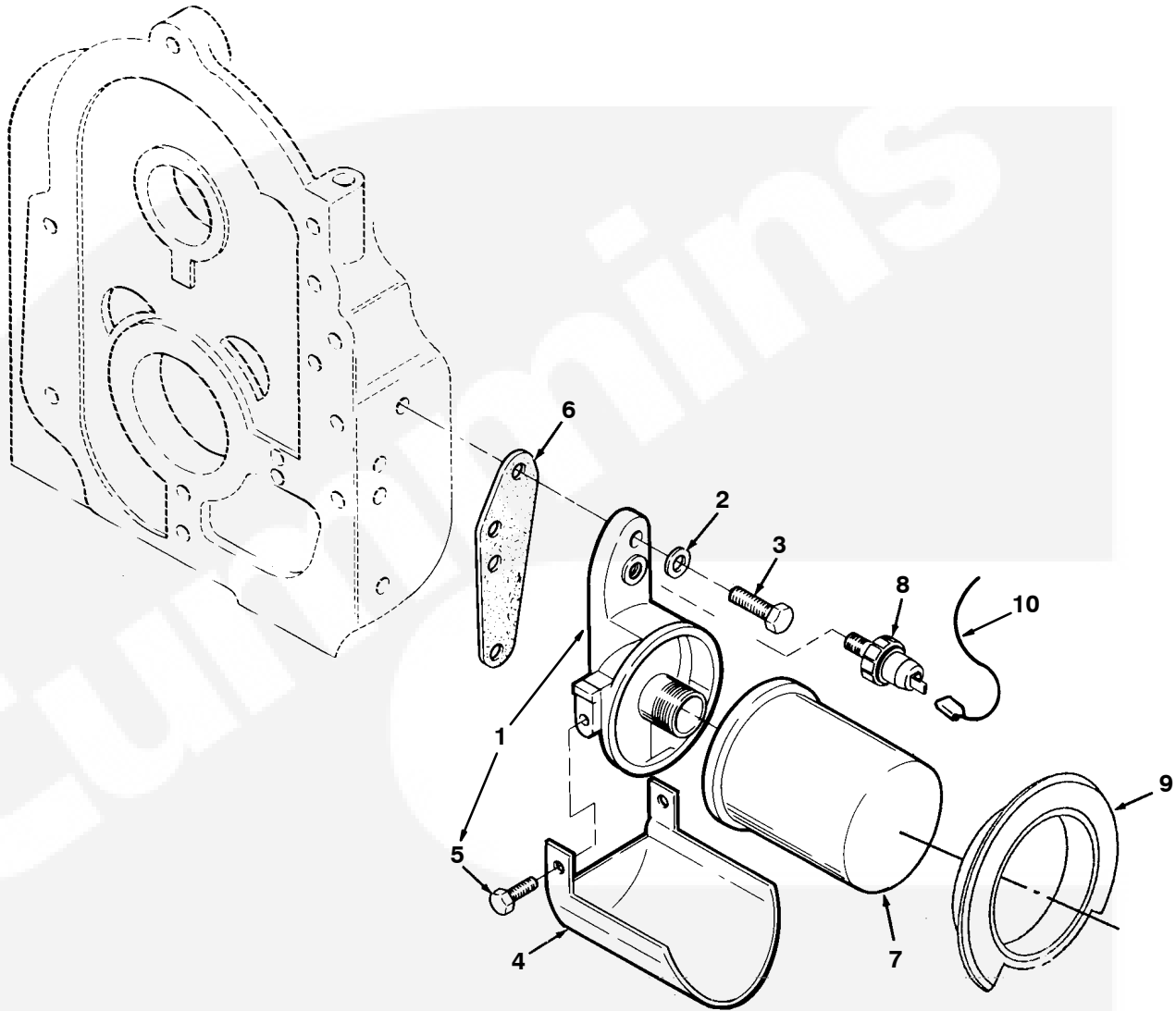
Oil Base and Mounting Hardware



Oil Base and Mounting Hardware

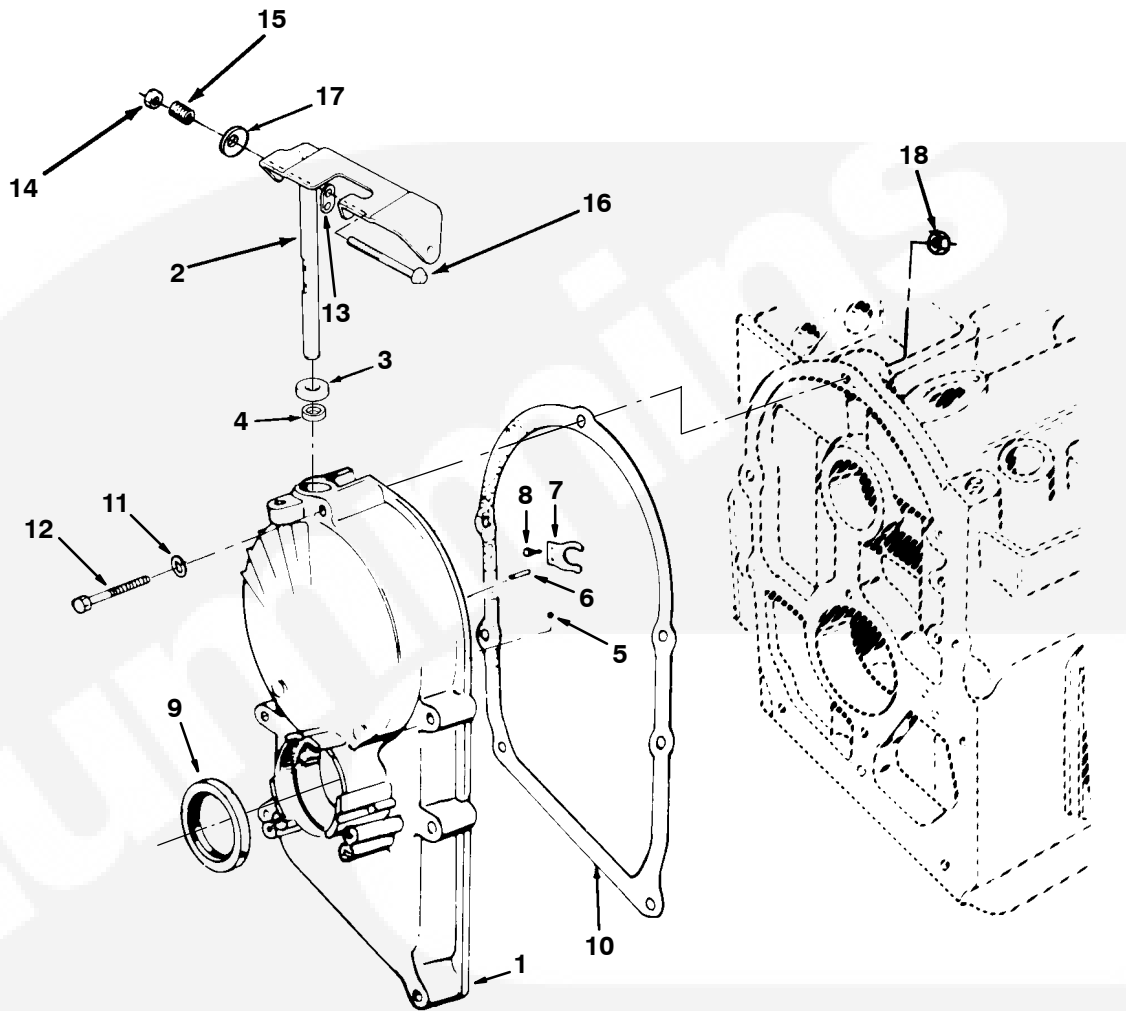
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Base, Oil	10	821-0031	2	Screw, Hex Washer Head – Self Locking (3/8–16 x 3/4")
	102-1493	1	Spec F-P	11	526-0324	1	Washer, Flat (5/16")
	102-1458	1	Begin Spec N	12	526-0240	1	Washer, Flat (3/8")
2	102-1387	1	Gasket, Base – Oil	13	337-2311	1	Strap, Ground
3			Pan, Drip	14	821-0014	1	Screw, Hex Washer Head – Self Locking (5/16–18 x 1/2")
	403-2557-02	1	Above Floor Models	15	856-0008	2	Washer, Lock – EIT (5/16")
	-	1	Below Floor Models (See Below Floor Housing Pages)	16	123-1616	1	Cup, Intake – Oil Pump (Includes Pipe And Cup)
	403-2218-01	1	Begin Spec J	17	504-0150	1	Valve, Drain – Oil
4	402-0597	2	Isolator, Vibration – Generator End	18	800-0058	4	Screw, Cap – Hex Head (3/8–16 x 3")
5	821-0010	4	Screw, Hex Washer Head – Self-Locking (1/4–20 x 1/2")	19	526-0251	4	Washer, Flat (3/8")
6	526-0325	2	Washer, Flat (3/8")	20	123-1961	1	Cap, Fill – Oil
7	815-0657	2	Screw, Hex Head – Thread Form (3/8–16 x 2–3/4")	21	509-0096	1	O'Ring, Cap – Oil Fill
8	402-0549	1	Isolator, Vibration – Engine End	22	505-0266	1	Plug, Drain – Oil (3/8")
9	821-0016	2	Screw, Hex Washer Head – Self Locking (5/16–18 x 3/4")	23	102-0743	1	Gasket, Drain – Oil
				24	402-0547	2	Snubber, Isolator

Oil Filter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0814	1	Adapter, Filter - Oil (Includes Screws)	7	122-0645	1	Filter, Oil
2	526-0065	2	Washer, Flat - Copper (5/16")	8	309-0322	1	Switch, Pressure - Low Oil
3	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")	9	122-0502	1	Gasket, Filter - Oil
4	122-0360-50	1	Drain, Filter - Oil	10			Harness, Wiring (See Separate Page for Components)
5	815-0340	2	Screw, Cap - Hex Washer Head - Thread Forming (#10-32 x 3/8")				Gasoline
6	122-0771	1	Gasket, Adapter - Oil Filter		338-2041	1	Spec F-G
					338-2634	1	Begin Spec H
							LP
					338-2086	1	Spec F-G
					338-2635	1	Begin Spec H

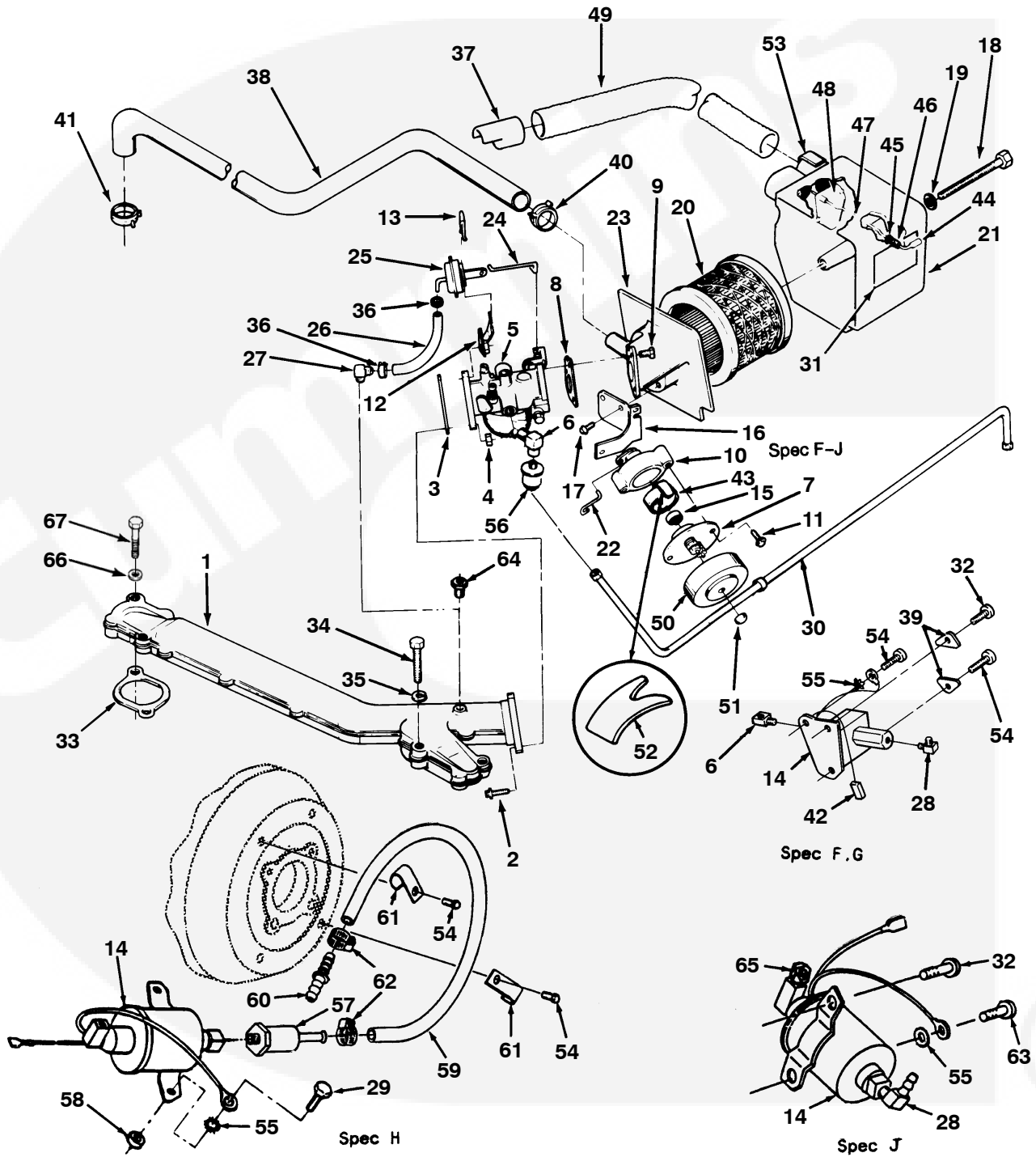
Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	103-0772	1	Gearcase Assy (Includes Parts Marked*)	13	150-1998	1	*Link, Spring – Governor
2	150-2002-04	1	*Arm and Shaft, Governor	14	870-0328	1	*Nut, Self-Lock (#10-32)
3	509-0008	1	*Seal, Oil – Governor Shaft	15	141-0710	1	*Spring, Needle – Idle
4	510-0013	1	*Bearing, Needle	16	820-1077	1	*Screw, Pan Head (#10-32 x 2-1/2")
5	510-0014	1	*Ball, Bearing	17	851-0031	1	*Washer, Spring – Conical Disc (#10)
6	516-0130	1	*Pin, Stop – Governor Cup	18	870-0257	1	Nut, Hex – Self-Locking (5/16-18)
7	150-1187	1	*Yoke, Governor				
8	815-0046	2	*Screw, Machine – Pan Head (#8-32 x 3/8")				
9	509-0040	1	*Seal, Oil – Crankshaft Front				
10	103-0810	1	Gasket, Gearcase				
11	526-0065	5	Washer, Flat – Copper (5/16")				
12			Screw, Cap – Hex Head				
	114-0022	4	1-3/4" Long				
	800-0545	1	2-3/4" Long				

* – Parts Included In Gearcase Assy.

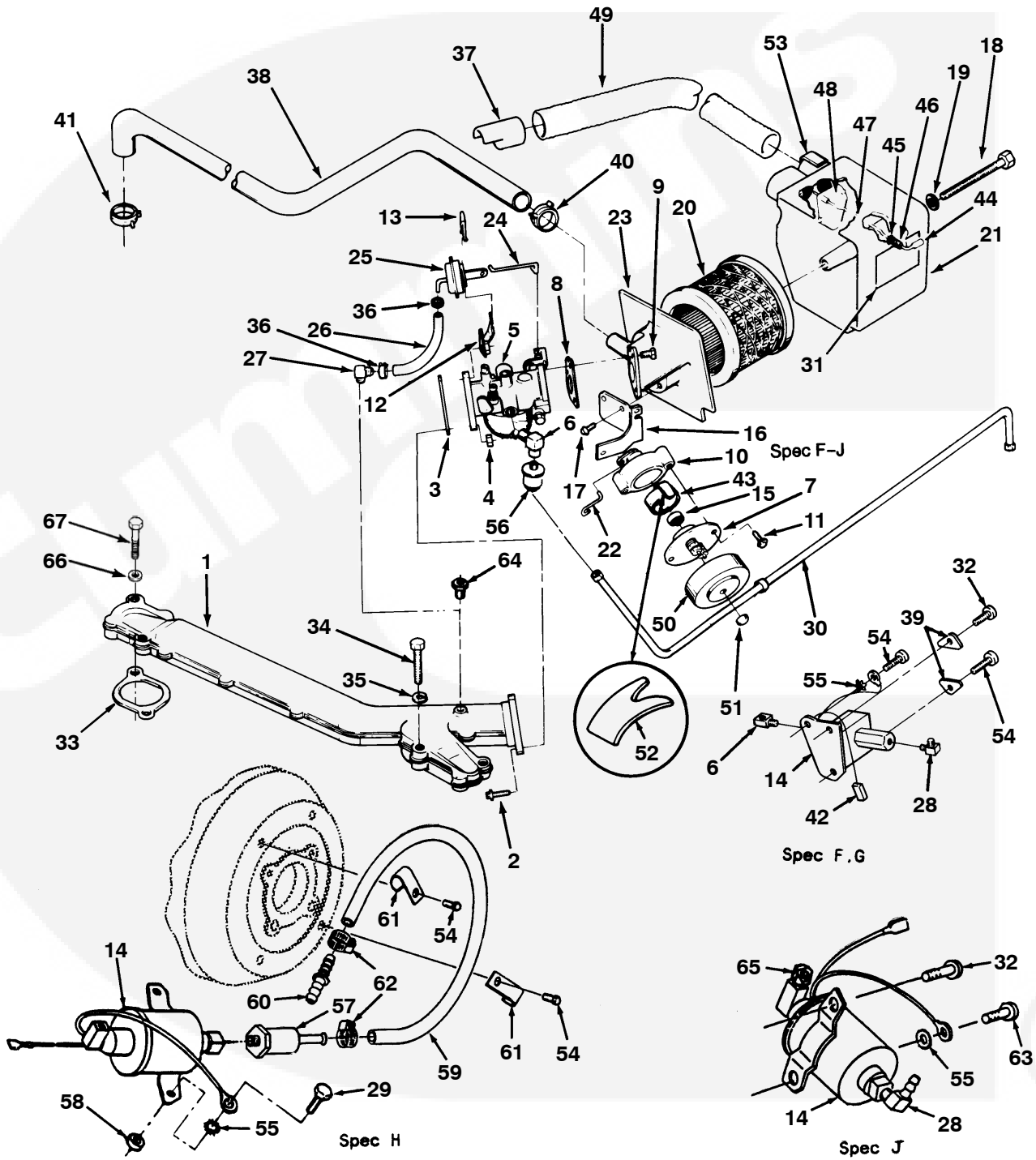
Fuel System (Gasoline)



Fuel System (Gasoline)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2447	1	Manifold, Intake	29	815-0664	1	Screw, Thread Form
2	815-0587	2	Screw, Hex Washer Head				Torx (1/4-20 x 3/8")
3			Gasket, Mounting - Carburetor	30			Line, Fuel (Includes 2 Inverted Nuts)
	141-0950	1	Spec F-J		149-2080	1	Spec F
	141-0958	1	Begin Spec K		149-2293	1	Spec G
4	862-0015	1	Nut, Hex (5/16-18)		149-2319	1	Spec H
5			Carburetor (Includes Mounting Gasket) (See Separate Page for Components)		149-2334	1	Begin Spec J (Four Bends)
					149-2335	1	Begin Spec J (Three Bends)
	146-0455	1	Spec F-J	31	98-6105-01	1	Label, Preheat
	146-0577		Begin Spec K	32			Screw
	146-0630	1	Begin Spec L & Up		815-0692-01	1	Hex, Machine - 60 Hz (1/4-20 x 1/2")
6			Elbow, Male - Inverted 90°		815-0692-02	1	Pan Head - 50 Hz (1/4-20 x 1")
	502-0002	1	Spec F				Gasket, Manifold - Intake
	502-1108	1	Begin Spec G				Spec F-H
7	153-0555	1	Element and Cover, Choke (Spec F-J)	33	154-2495	2	Screw, Cap - Hex Head (5/16-18 x 2")
8	140-2308	1	Gasket, Horn - Air	34	800-0033	4	Washer, Flat (M8)
9	815-0590	3	Screw, Cap - Hex Head (#10-32 x 1/2")	35	740-1006	4	Clamp, Hose
10	153-0556	1	Housing, Choke (Includes Choke Shaft) (Spec F-J)	36	503-0813	2	Adapter, Preheater
	518-0387	1	Ring, Retainer- Choke Housing (Not Shown)	37	140-1919-50	1	Tube, Breather
				38	123-1615	1	Washer, Pump - Fuel
				39	149-2226	2	Clamp, Hose - Breather Tube
11	815-0592	2	Screw, Head - Hex Washer (#8-32 x 1-3/8") (Spec F-J)	40	503-1133	1	Clamp, Hose - Breather Tube
12	153-0561	1	Bracket, Mounting - Diaphragm (Spec F-J)	41	503-0183	1	Harness, Wiring - Fuel Pump (Includes Rectifier)
13	518-0450	1	Clip, U (Spec F-J)	42	338-2285	1	Tube, Housing - Choke (Spec F-J)
14			Pump, Fuel - Electric (Includes Mounting Bracket)	43	153-0578	1	Cap, Vinyl
				44	517-0223	1	Washer, Flat (#6 Screw)
	149-2140	1	Spec F,G	45	526-0002	1	Spring, By-pass
	149-2269	1	Spec H	46	120-0140	1	Rod, Inlet - Air
	149-2331	1	Begin Spec J				Spec F-J
	149-2331-02	1	Begin Spec K	47	145-0667	1	Used on Spec K
15	153-0554	1	Bimetal, Choke (Spec F-J)		145-0704	1	Cover, Inlet - Air
16	153-0557	1	Bracket, Mounting - Housing (Spec F-J)	48	145-0561	1	Hose, Preheater
				49	503-1351	1	Cover, Housing - Choke (Spec F-J)
17	815-0591	2	Screw, Head - Hex Washer (1/4-10 x 3/4") (Spec F-J)	50	153-0579	1	Nut, Cap (#6-32) (Spec F-J)
18	800-0017	1	Screw, Cap - Hex Head (1/4-20 x 3-1/2")	51	870-0421	1	Clip, Housing - Choke (Spec F-J)
19	526-0021	1	Washer, Flat (1/4")	52	518-0466	1	Clip, Hose - Preheater (Spec F-J)
20	140-2379	1	Element, Cleaner - Air	53	518-0459	1	Screw, Torx - Thread Form (1/4-20 x .62")
21			Housing, Cleaner - Air	54	815-0290	2	Washer, ET (1/4") 50 Hz
	140-1894	1	Spec F-K				Filter, Fuel
	140-2962	1	Spec L		149-2279	1	Spec F-G
22	153-0558	1	Linkage, Choke (Spec F-J)		149-2333	1	Begin Spec J
23			Adapter, Cleaner - Air	57	149-1353	1	Filter, Fuel (Spec H)
	140-2782	1	Spec F-K	58	370-4052	2	Spacer, Mounting - Pump (Begin Spec H)
	140-3093	1	Spec L				Hose, Fuel (Begin Spec H)
24	153-0577	1	Linkage, Pull-off - Choke (Spec F-J)	59	503-1313	1	Adapter, Hose - Fuel (Begin Spec H)
25	153-0576	1	Pull-off, Choke (Spec F-J)	60	502-1164	1	
26	503-1252	1	Hose, Vacuum (Spec F-J) (3/16" ID x 3" Long)				
27	502-1105	1	Fitting, Vacuum - Intake 90°				
28	502-0313	1	Elbow, 90°				

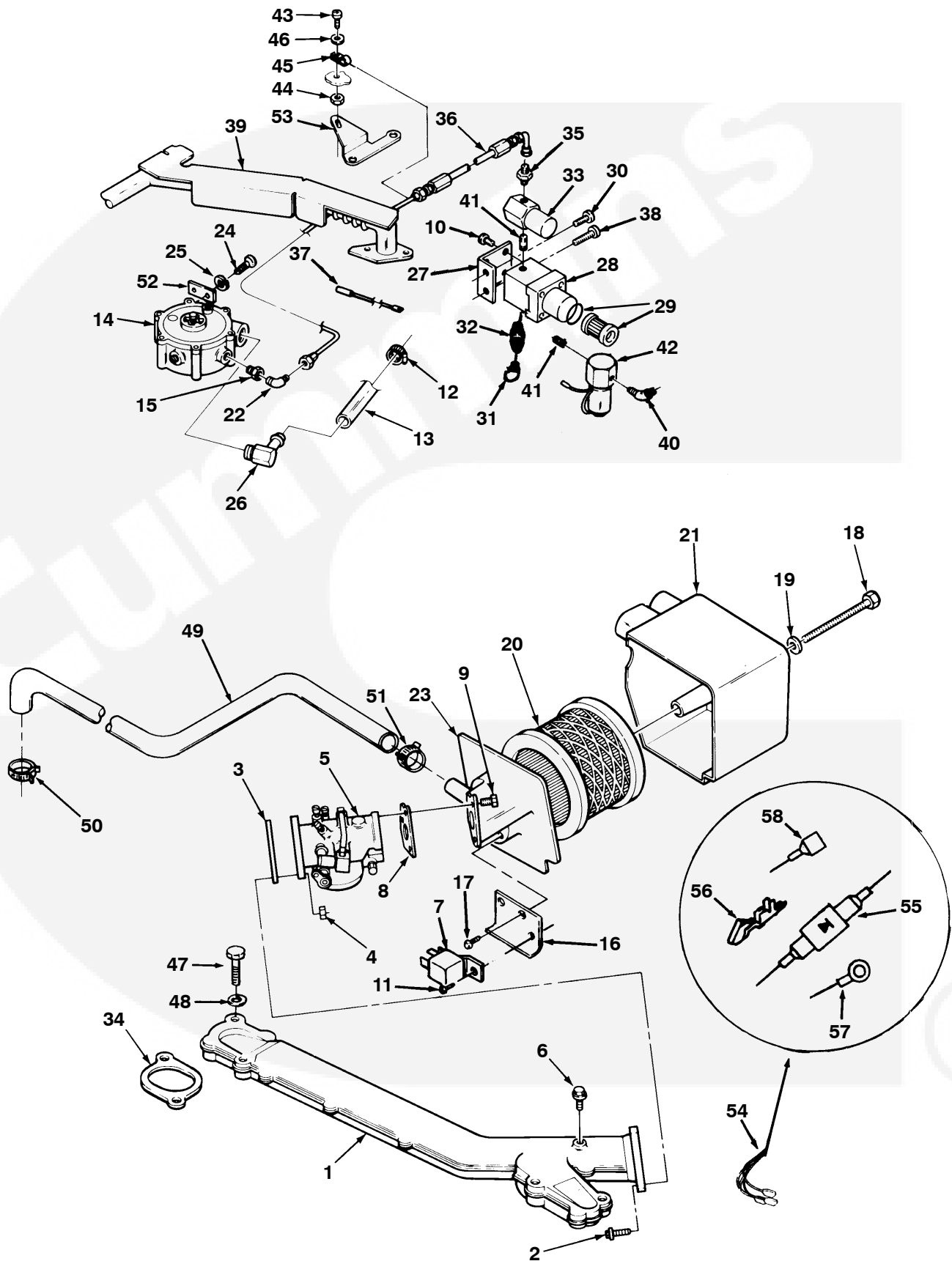
Fuel System (Gasoline)



Fuel System (Gasoline)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
61	518-0515	2	Clip, Wire (Begin Spec H)	65	502-0065	1	Elbow, Inverted – 45° (Begin Spec J)
62	503-0170	2	Clamp, Hose (Begin Spec H)	66	740-1006	4	Washer, Flat (M8)
63	815-0782	1	Screw, Pan Head – Torx (Begin Spec J)	67	800-0033	4	Screw, Hex Head Cap
64	502-0028	1	Plug, Pipe – Hex Head (Begin Spec K)				

Fuel System (LP Liquid)



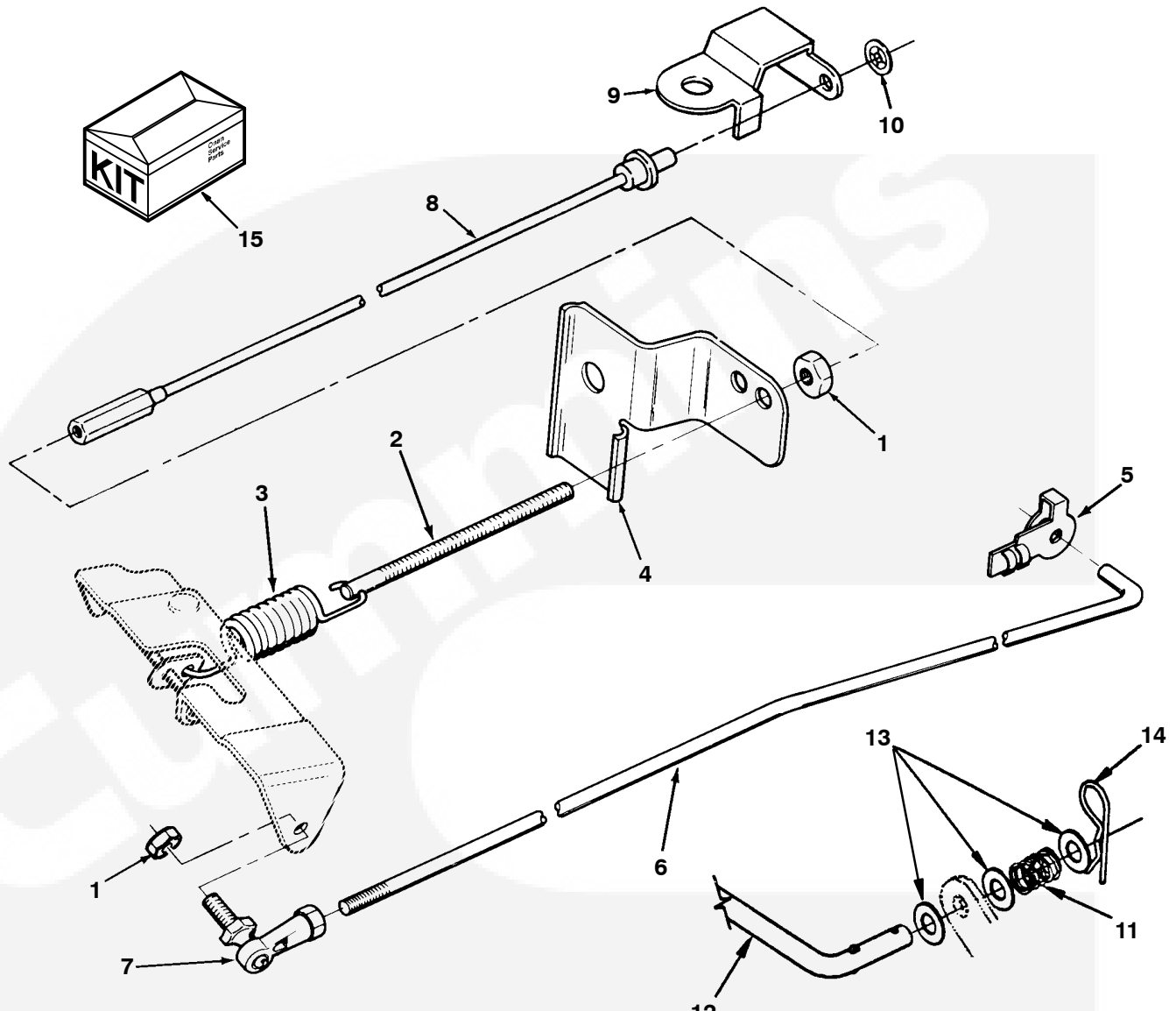
Fuel System (LP Liquid)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Manifold, Intake	33	307-2478	1	Solenoid, Lock – Fuel (Front Outlet – Exhaust Manifold) – LP Liquid
	154-2447	1	Spec F-K				
	154-3026	1	Begin Spec L				
2	815-0587	2	Screw, Head – Hex Washer (5/16-18 x 1")	34	154-2495	2	Gasket, Manifold – Intake
3	141-0281	1	Gasket, Mounting – Carburetor	35	502-0928-01	1	Adapter, Reducer (Front Outlet – Exhaust Manifold)
4	862-0015	2	Nut, Hex (5/16-18)	36	501-0525	1	Line, Fuel
5			Carburetor (See Separate Page For Components)	37	336-9679	1	Lead
	141-0932	1	Spec F-K	38	815-0664	1	Screw, Torx – Thread Form (1/4-20 x 3/8")
	146-0723	1	Begin Spec L (LPG Liquid)	39		1	Manifold, Exhaust (See Exhaust System Pages)
6	505-1426	1	Plug, Pipe (1/8") (Spec F-K)	40	502-0965-01	1	Elbow, Reducing – 45° (Bottom Outlet, Exhaust Manifold) – LP Gas
7	307-1886	1	Relay, Ignition				
8	140-2308	1	Gasket, Horn – Air	41	502-0929-01	1	Nipple, Close (Bottom Outlet, Exhaust Manifold)
9	815-0590	3	Screw, Cap – Hex Head (#10-32 x 1/2")	42	307-2501	1	Valve, Fuel Shut-off – LP Gas (Bottom Outlet, Exhaust Manifold)
10	815-0261	2	Screw, Head – Hex Washer (1/4-20 x 1/2")	43	815-0176	1	Screw, Machine – Hex Head (#8-32 x 1/2")
11	821-0005	1	Screw, Cap – Hex Washer (#10-32 x 1/2")	44	870-0221	1	Nut, Hex (#8-32)
12	503-0183	2	Clamp, Hose (9/16 to 1-1/16")	45	503-1190	1	Clamp, Hose
13			Hose, Fuel	46	526-0003	1	Washer, Flat (#8)
	503-1365	1	Spec F-K (8" Long)	47	800-0033	4	Screw, Cap – Hex Head (5/16-18 x 2")
	503-0633	1	Spec L & Up (7-1/4" Long)	48	740-1006	4	Washer, Flat (M8)
14			Regulator	49	123-1615	1	Tube, Breather
	148-0893	1	Spec F-K	50	503-0183	1	Clamp, Hose – Breather Tube (9/16 to 1-1/16")
	148-1020	1	Begin Spec L (LPG Vapor)	51	503-1133	1	Clamp, Hose – Breather Tube (Fits Hose O.D. .875")
	541-0532	1	Begin Spec L (LPG Liquid)	52	148-0897	1	Washer, Mounting – Regulator
15	502-0927-01	1	Bushing, Reducer (3/8 x 1/4")	53	149-2032-01	1	Bracket, Fuel Line – Zinc Plated
16	307-2559-01	1	Bracket, Mounting – Zinc Plated	54			Harness, Wiring – Ignition Relay
17	815-0591	2	Screw, Head – Hex Washer (1/4-10 x 3/4")		338-2317	1	Spec F-G (Includes Parts Marked *)
18	800-0017	1	Screw, Cap – Hex Head (1/4-20 x 3-1/2")		338-2644	1	Begin Spec H (Includes Parts Marked +)
19	526-0021	1	Washer, Flat (1/4")		338-2317	1	BGEL (Includes Parts Marked *)
20	140-2379	1	Element, Cleaner – Air	55	357-0067	1	*+ Rectifier, Silicon
21	140-1894	1	Housing, Cleaner – Air	56			Pin, Contact
22	502-0838	1	Elbow, Reducing – 90°		323-1440	1	* Brass, Gold Plated
23	140-2782	1	Adapter, Cleaner – Air		323-1486	1	+ 13 Ampere
24	815-0647	2	Screw, Hex Washer Head (1/4-20 x 5/8")	57			Terminal, Ring
25	850-0040	2	Washer, Lock (1/4")		332-0147	1	* #10 – Red
26	502-0935	1	Elbow, 90°		332-0806	1	+ #8 – Blue
27			Bracket, Mounting – Filter	58			Terminal, Receptacle
	148-0896	1	Bottom Outlet Exhaust		332-1992	2	* Red
	148-0903	1	Front Outlet Exhaust		332-1993	2	+ Blue
28	148-0890	1	Filter, LPG (Includes Element and O-Rings)				
29	148-0898	1	Element, Filter – Fuel				
30	815-0692-01	1	Screw, Head – Pan (1/4-20 x 1/2")				
31	502-0932-01	1	Elbow, Street – 45° (Front Outlet, Exhaust Manifold)				
32			Elbow, Male – 90°				
	502-0933-01	1	Front Outlet, Exhaust Manifold – LP Liquid				
	502-0054	1	Bottom Outlet, Exhaust Manifold				

* – Parts Included in Wiring Harness.

+ – Parts Included in Wiring Harness.

Governor



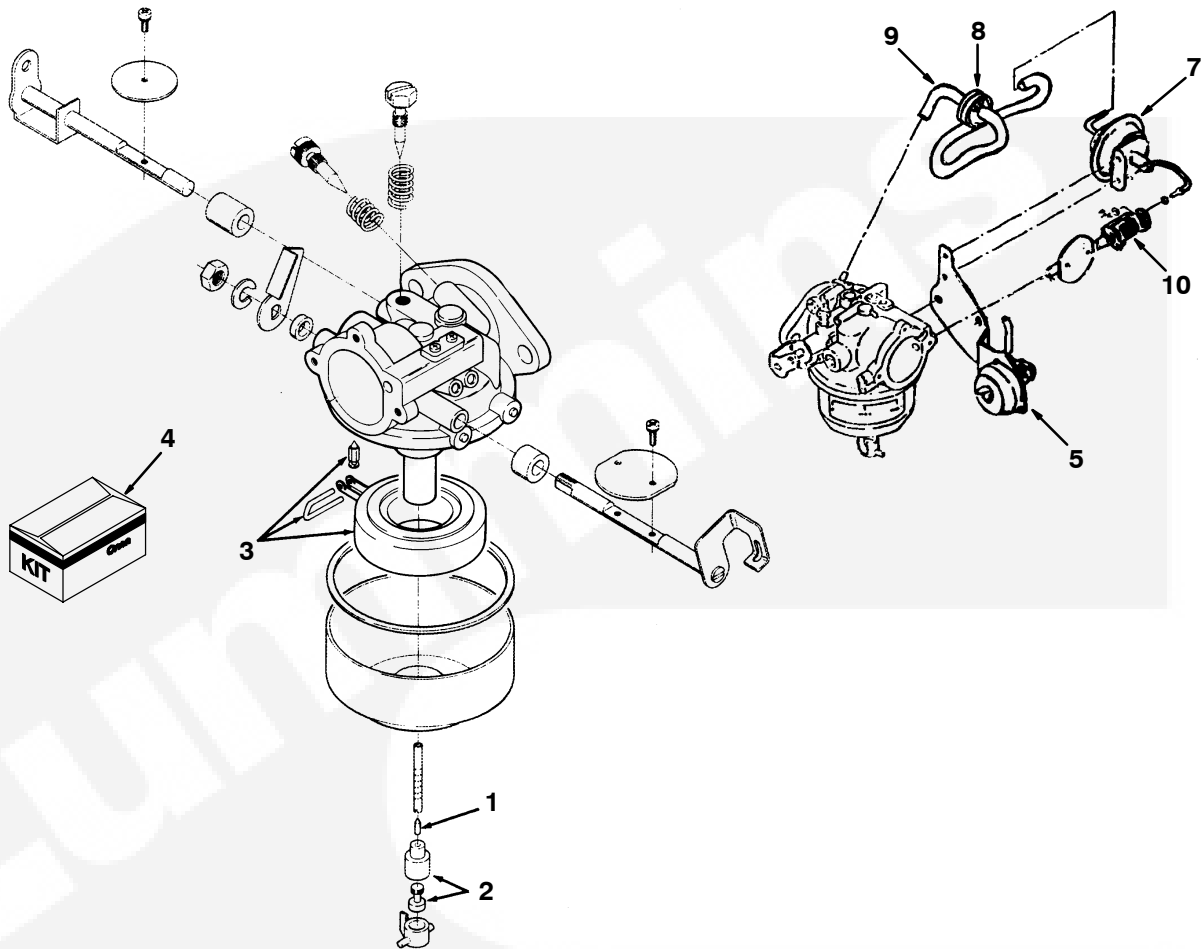
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0131	2	Nut, Hex – Self-Locking (#10-32)
2	150-0096	1	Stud, Adjustment – Speed
3	150-1612	1	Spring, Governor
4			Bracket, Governor – Zinc Plated
	150-1958-02	1	Gasoline
	150-2298-01	1	LP Liquid
5	518-0006	1	Clip, Retaining – BGE (Spec H)
6			Rod, Governor
			BGE
	150-1957	1	Gasoline
	150-2079	1	LP
	150-2493	1	BGEL
7	150-0939	1	Joint, Ball
8	150-2294	1	Cable, Adjust – Governor (Begin Spec H)
9	150-2295	1	Bracket, Cable – Governor Adjust

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	518-0582	1	Retainer – Push On
11	150-2421	1	*Spring, Compression (Begin Spec H)
12			Rod, Throttle
	150-2428	1	* Gasoline
	150-2468	1	° LP Liquid/Vapor
13	150-2589	3	*Washer, Friction (Begin Spec H)
14	518-0606	1	*Clip, Linkage (Begin Spec H)
15			Kit, Damper
	150-2454	1	Gasoline (Includes Parts Marked *)
	150-2493	1	LP (Includes Parts Marked °)

* – Included in Gasoline Damper Kit.

° – Included in LP Damper Kit.

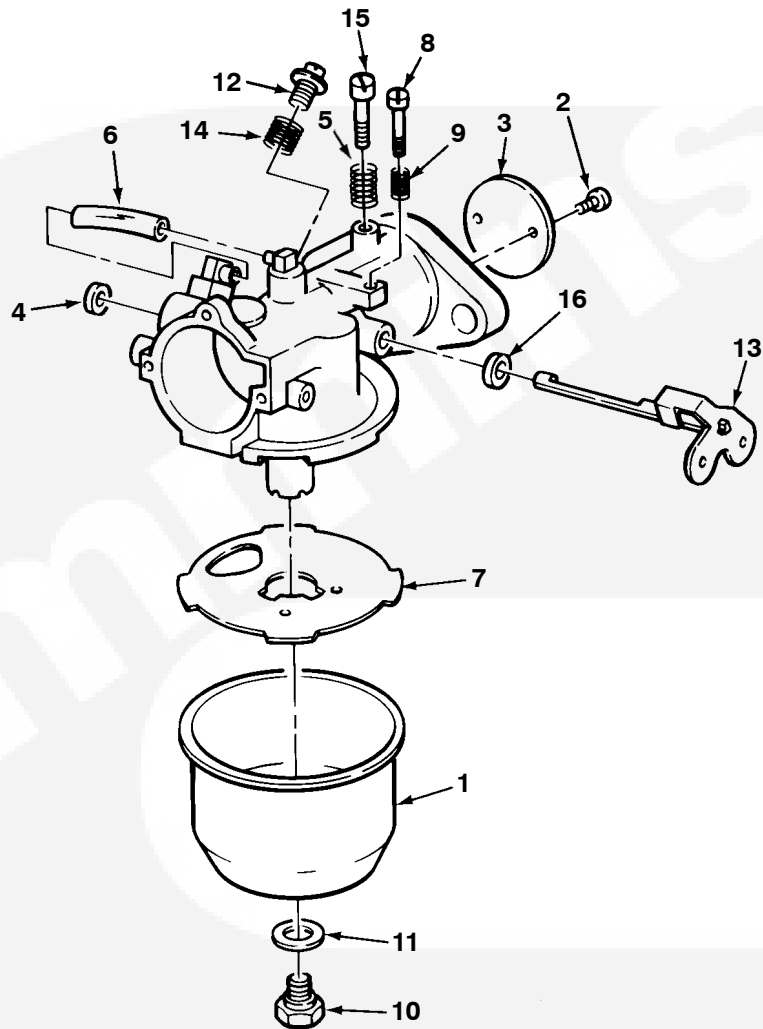
Carburetor Components (Gasoline)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gaskets) Spec F-J (Includes Carb 146-0443)	6	146-0663	1	Kit, Auto Choke (Includes Carb and Gaskets after Spec L)
	146-0455	1		7	146-0589	1	Kit, Choke Breaker (Includes Piston Rod, Link Washer, Snap Pin and Breaker)
	146-0577	1	Begin Spec K	8	146-0590	1	Kit, Vacuum Sustain Valve (Includes Body, Jet and Filter)
	146-0630	1	Begin Spec L (Emission Carb)	9	146-0591	1	Kit, Vacuum Valve Hose (Includes Valve and Hoses)
1	146-0449	1	Jet, Idle (Not EMSN Part)	10	146-0592	1	Assy, Choke Shaft (Includes Choke Shaft, Collar, Arm Return Spring, Valve, Set Screw and Lever)
2	146-0450	1	Jet, Power (Not EMSN Part)				
3	146-0453	1	Kit, Float (Includes Float, Pin and Valve and Set Screw)				
4	146-0457	1	Kit, Repair (Includes Repair Package and Gaskets Used on Pre Spec L only)				
5	146-0588	1	Kit, Choke Bimetal (Includes Holder, Thermostat Cover, Set Plate and Case Set Screw)				

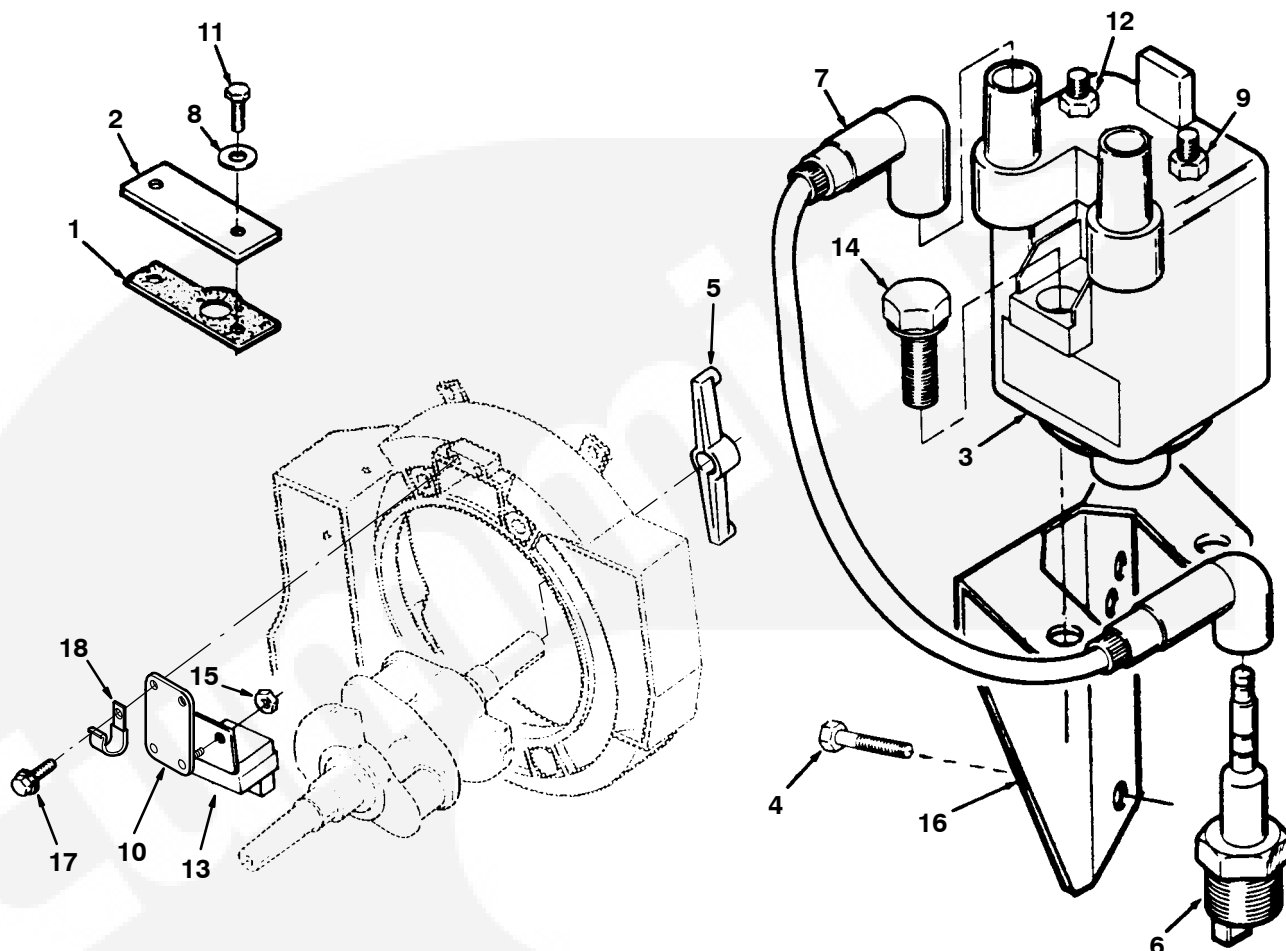
* - Carburetors beginning with Spec L are emission Carburetors and can't be rebuilt.

Carburetor Components (LP)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	141-0932	1	Carburetor, Complete	7	141-0701	1	Gasket, Bowl
	146-0723	1	Spec F-K	8	141-0700	1	Screw, Stop - Throttle
	146-0727	1	Spec L & Up (LPG Liquid)	9	141-0711	1	Spring, Stop - Throttle
		1	Spec L & Up (LPG Vapor)	10	141-0736	1	Plug, Bowl
1	141-0708	1	Bowl, Fuel	11	141-0077	1	Washer, Plug - Bowl
2	141-0906	2	Screw, Head - Round Washer	12	141-0934	1	Screw, Adjust - Main Jet
3	141-0919	1	Plate, Throttle	13	141-0936	1	Lever, Shaft - Throttle
4	141-0940	1	Seal, Dust	14	141-0939	1	Spring, Screw - Main Jet
5	141-0935	1	Spring, Needle - Idle	15	141-0937	1	Needle, Adjust - Idle
6			Tube, Idle - Rubber	16	141-0924	1	Seal, Rubber - Dust
	141-0938	1	Spec F-K				
	141-0978	1	Begin Spec L				

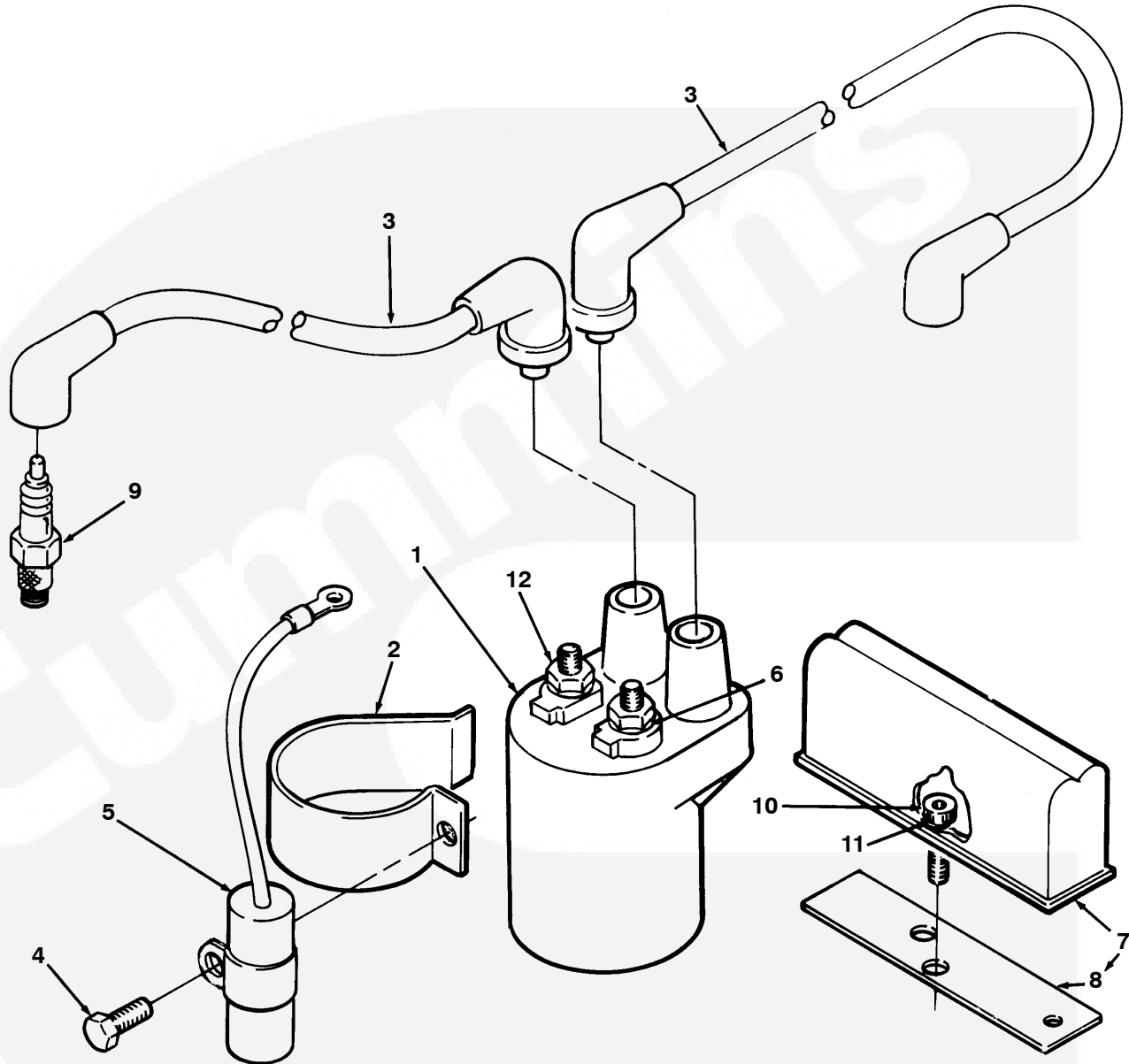
Electronic Ignition Begin Spec G



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	160-1368	1	Gasket, Plate
2	160-1345-01	1	Plate, Cover – Ignition Plunger – Zinc Plated
3			Coil, Ignition (Includes Nuts)
	166-0761	1	Through S/N G923938483 During Spec J
	166-0820	1	Begin S/N G923938484 During Spec J
4	815-0290	2	Screw, Head – Hex Washer Thread Form (1/4–20 x 5/8")
5	166-0842	1	Rotor Assembly, Ignition (Includes Rotor and Magnet)
6	167-0263-01	2	Plug, Spark
7			Cable, Plug – Spark
	167-1615-01	1	9" Long
	167-1602	1	23" Long
8	740-1004	2	Washer, Flat (M6)
9	166-0770	1	Nut, Flange – Hex (M4) (Positive Terminal)
10	166-0793	1	Bracket, Control – Ignition

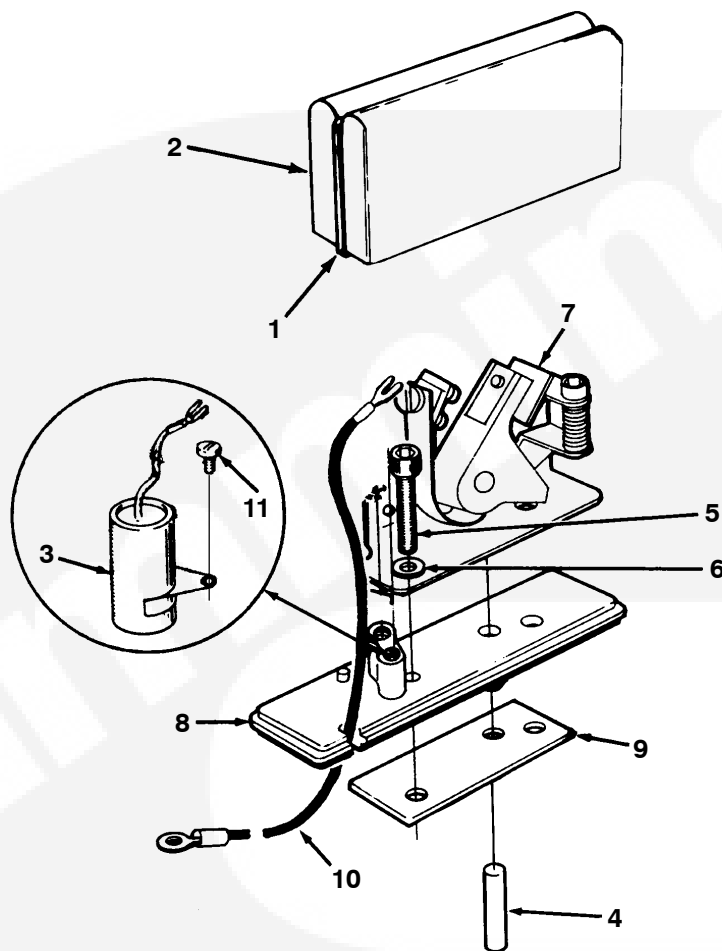
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	800-0004	2	Screw, Cap – Hex Head (1/4–20 x 5/8")
12	166-0771	1	Nut, Flange – Hex (M5) (Negative Terminal)
13			Control, Ignition
	166-0821	1	15.0" Lead
	166-0821-01	1	28.5" Lead
14	815-0650	2	Screw, Head – Hex Washer (1/4–20 x 1")
15	870-0328	2	Nut, Self-Lock (10–32)
16			Bracket, Coil – Ignition
	166-0789-01	1	Through S/N G923938483 During Spec J
	166-0747	1	Begin S/N G923938484 During Spec J
17	815-0770	2	Screw, Head – Hex Washer Thread Form
18	332-3198	1	Connector

Ignition System Spec E, F



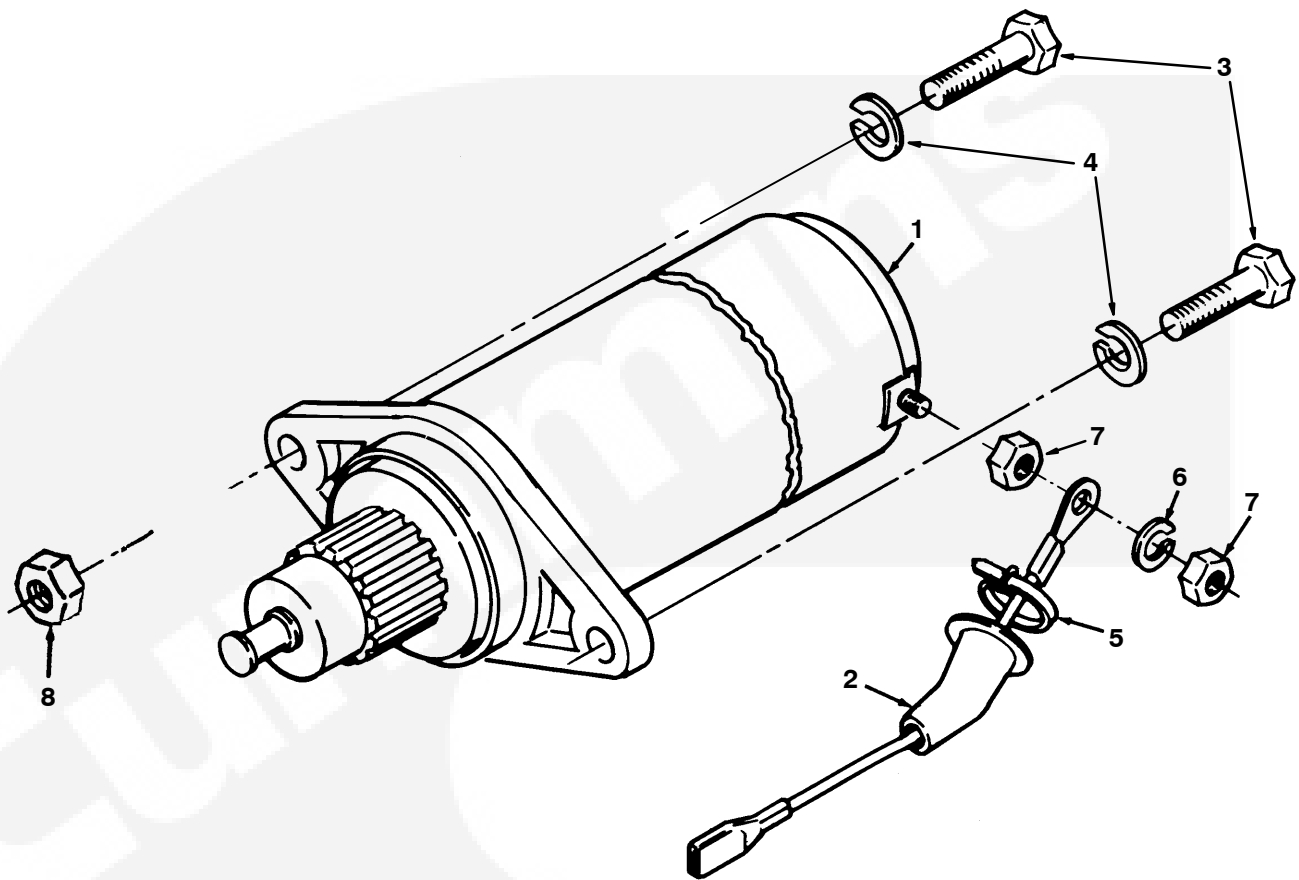
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	166-0772	1	Coil, Ignition (Includes Nuts and Washers)	7	160-1325	1	Box, Breaker (See Separate Page For Components)
2	166-0747	1	Clamp, Coil				(Includes Mounting Gasket)
3	167-1602	1	Cable, Plug - Spark	8	160-1368	1	Gasket, Mounting - Breaker Box
	167-1602	1	9" Long	9	167-0272	2	Plug, Spark
	167-1602	1	26" Long	10	802-0034	2	Screw, Cap - Socket Head (1/4-20 x 3/4")
4	815-0261	1	Screw, Head - Hex Washer Thread Cutting (1/4-20 x 1/2")	11	850-0038	2	Washer, Lock - Spring (1/4")
5	312-0249	1	Condenser, Ignition	12	166-0554	2	Nut, Hex (8 MM)
6	850-2005	2	Washer, Lock (M8)				

Breaker Box Spec E, F



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	160-1325	1	Box Assy, Breaker (Includes Parts Marked *)	6	850-0038	2	*Washer, Lock - Spring (1/4")
1	160-1317	1	*Clip, Cover - Breaker Box	7	160-1183	1	*Points, Breaker
2	160-1316	1	*Cover, Box - Breaker	8	160-1314	1	*Base, Box - Breaker
3			Condenser, Ignition	9	160-1368	1	*Gasket, Box - Breaker
	312-0246	1	Units Built Prior to 9/87 - Mounts Inside Breaker Box	10	336-2378	1	Lead, Box - Breaker
	312-0256	1	Units Built Beginning 9/87 - Mounts Remote Attached to Generator Adapter	11			*Screw, Hex Head - Slotted Thread Form (#8-32 x 5/16")
4	160-1151	1	Plunger, Points - Breaker		815-0358	1	Use Prior to 9/87
5	802-0034	2	*Screw, Cap - Socket Head (1/4-20 x 3/4")		815-0340	1	Begin 9/87
				* - Parts Included In Breaker Box.			

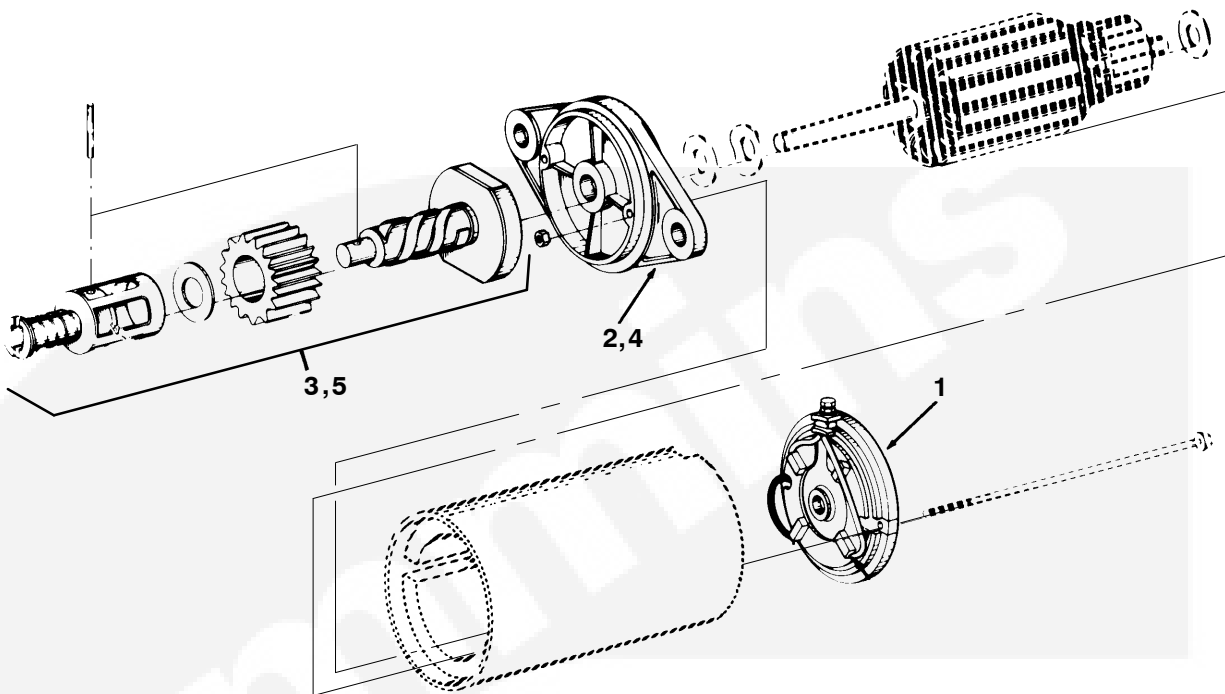
Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1667	1	Starter, 12 Volt (See Separate Page For Components)
2	226-3457	1	Lead, Starter (Includes Tube)
3	800-0052	2	Screw, Hex Head - Cap (3/8-16 x 1-1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	850-0050	2	Washer, Lock (3/8")
5	332-0942	1	Tie, Cable
6	850-0040	1	Washer, Lock (1/4")
7	862-0001	2	Nut, Hex (1/4-20)
8	862-0003	2	Nut, Hex (3/8-16)

Starter Components

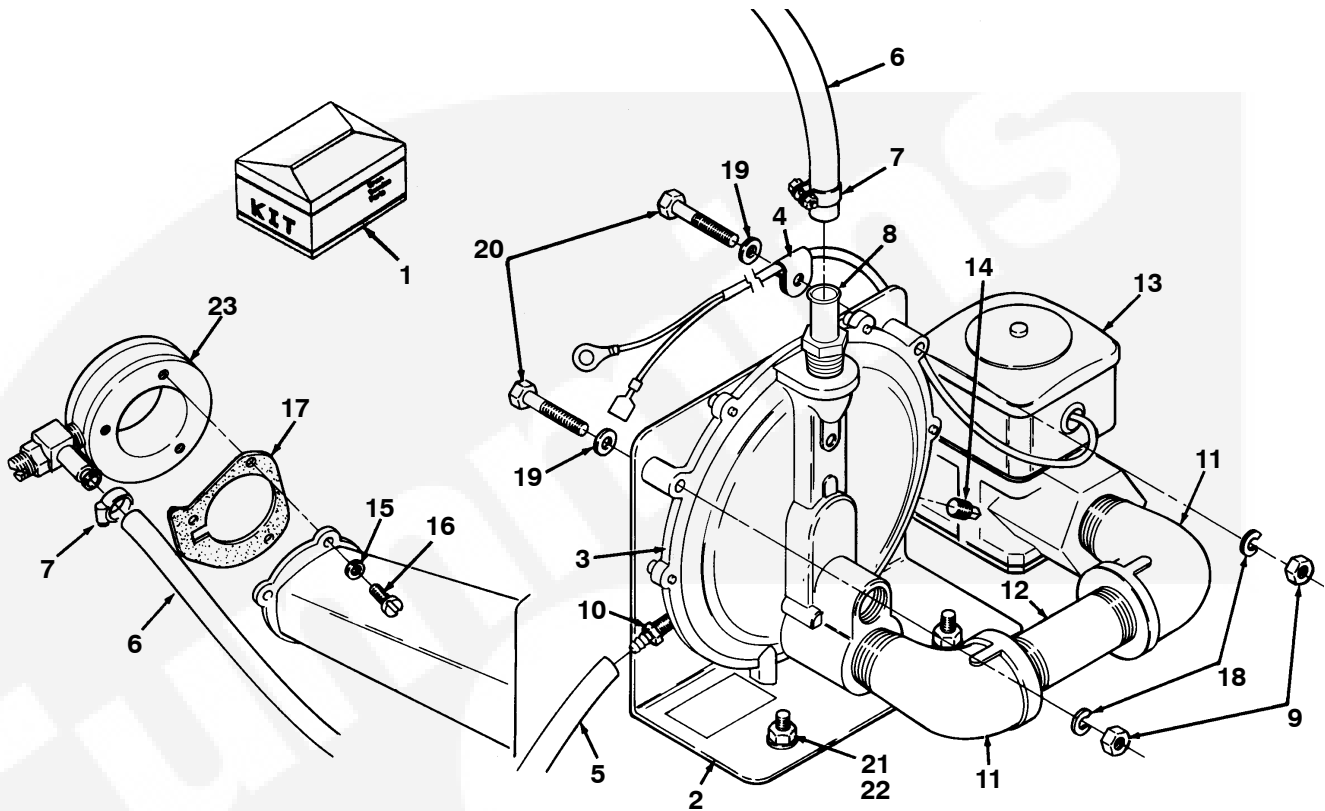


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1667	1	Starter, 12 Volt (Spec F-K Thru S/N 1933079632 During Spec K) (Includes Parts Marked*)
	191-2158	1	Starter, 12 Volt (Begin S/N 1933079633 During Spec K) (Includes Parts Marked #)
1	191-1781	1	*Cap, End (Includes Brushes)
2	191-1776	1	*Cap, End - Drive
3	191-2187	1	*Kit, Drive - Starter (Includes Spring Cover, Clutch Retainer, Clutch, Spline, Gear, Roll Pin and Hardware)
4	191-2186	1	#Cap, Drive
5	191-2187	1	#Kit Assembly, Drive (Includes Washers, Retainers, Spring, Cover, Roll Pin, Pinion Gear, and Drive Clutch)

* - Parts Included in Starter Units Thru S/N 1933079632 During Spec K.

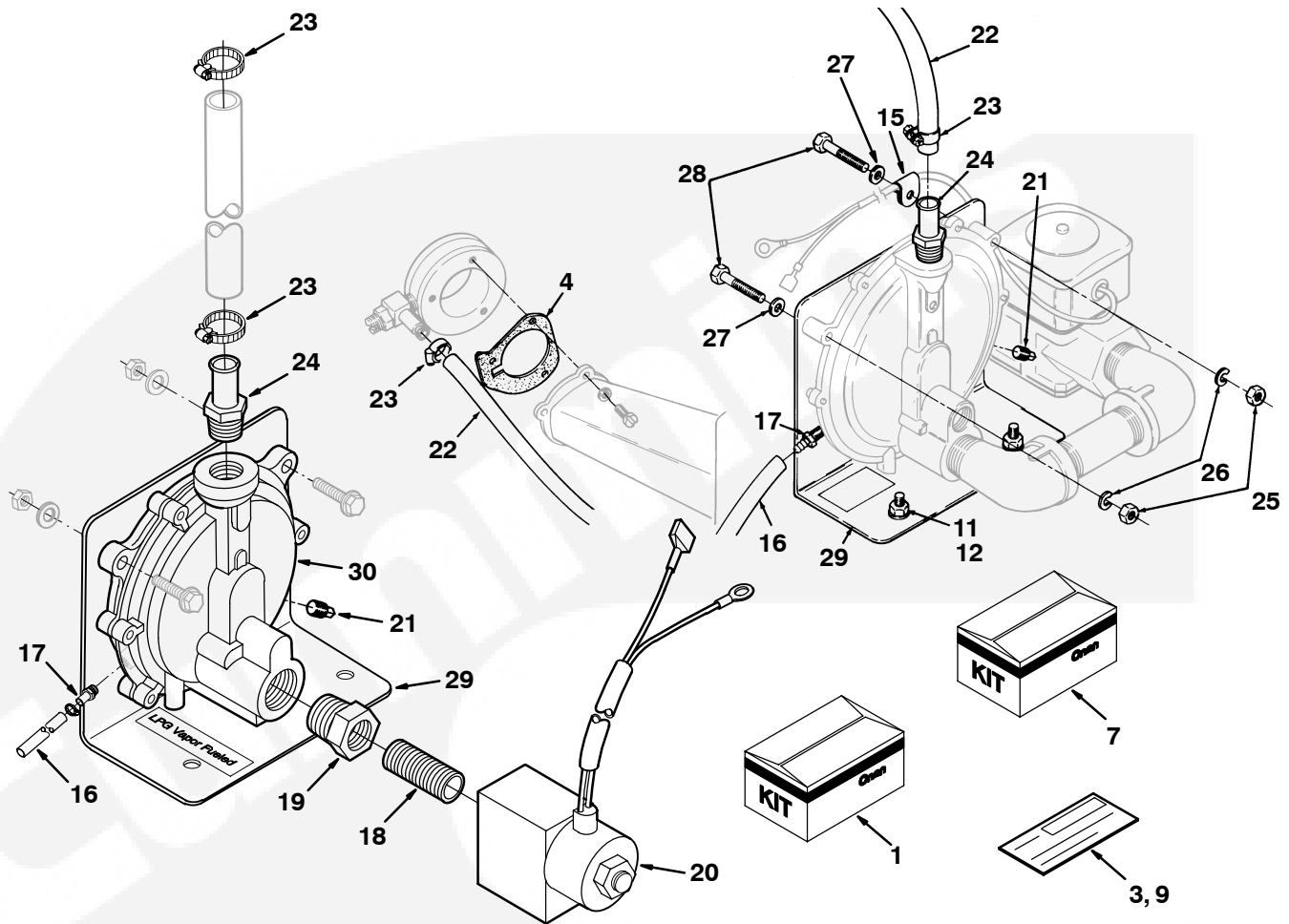
- Parts Included in Starter Units That Begin S/N 1933079633 During Spec K.

**LP Vapor Fuel System
Field Conversion Kit 148-0913 (Spec F-L)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0913	1	Kit, LP Conversion (Spec F-L) (Includes all Parts on this Page)	14	505-0057	1	Plug, Head - Square
2	148-0843	1	Bracket, Regulator - Gas	15	854-0010	3	Washer, Lock - IT (#10)
3	148-0311	1	Regulator, Gas	16	813-0117	3	Screw, Machine - Round Head (#10-32 x 1-5/8")
4	518-0350	1	Clamp, Insulated (1/4" OD)	17	140-2308	2	Gasket, Adapter - Air Intake
5	503-1016	1	Hose, Oil (Vent) - 12" Long	18	850-0040	2	Washer, Lock (1/4")
6	503-1048	1	Hose, Fuel - 30" Long	19	526-0018	2	Washer, Flat (1/4")
7	503-0183	2	Clamp, Hose (#4)	20	114-0023	2	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
8	502-0238	1	Connector, Hose	21	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
9	862-0001	2	Nut, Hex (1/4-20)	22	870-0257	2	Nut, Hex - Self Locking (5/16-18)
10	502-0395	1	Connector, Hose	23	148-0912	1	Adapter, Carburetor
11	505-0051	2	Elbow, Street - 90°				
12	505-0332	1	Nipple, Pipe (3/4 x 3.00 Lg)				
13	307-1881	1	Solenoid and Terminal				

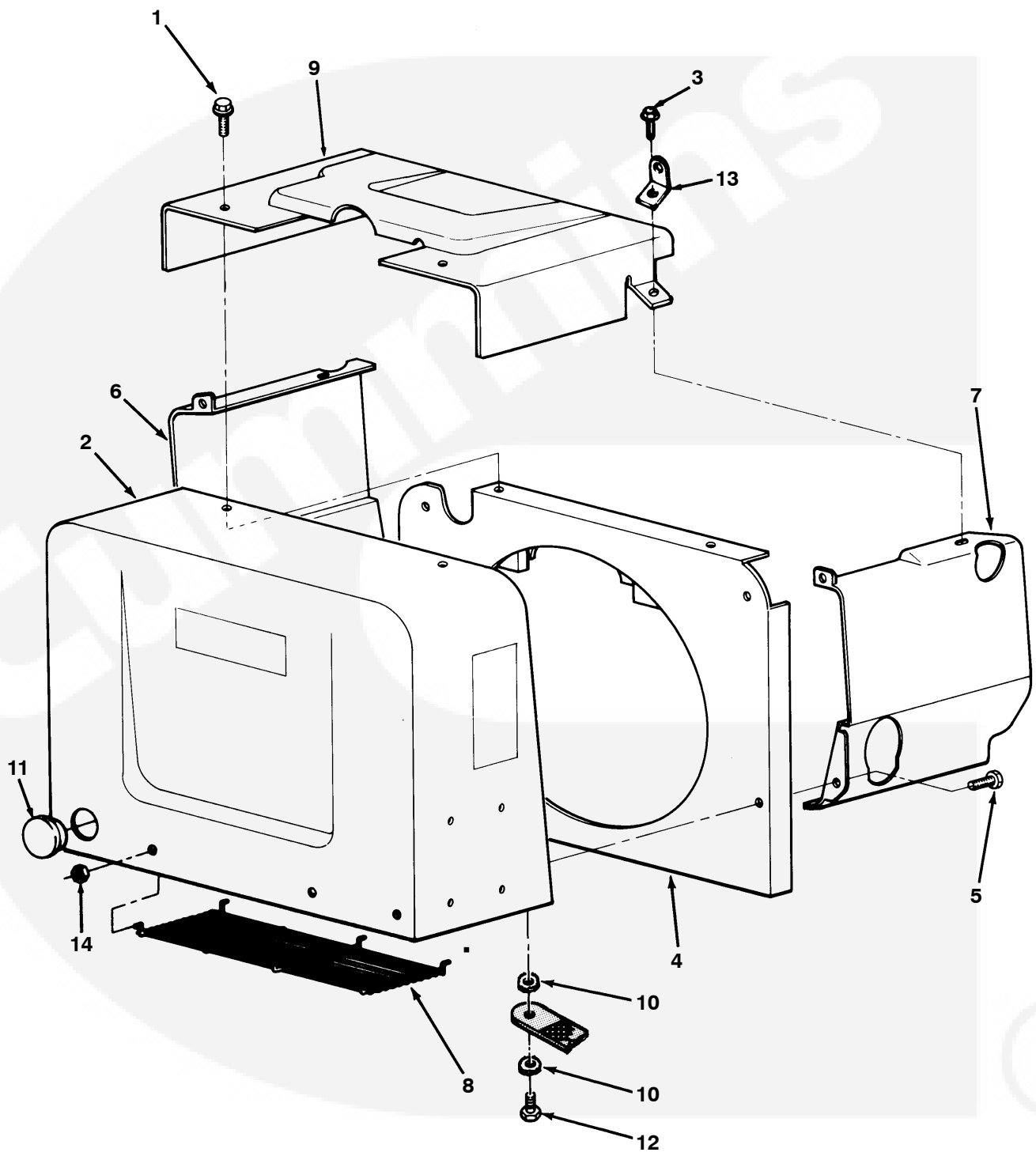
LP Vapor Fuel System **Field Conversion Kit 148-1057-01 & 148-1108-01 (Begin Spec M)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1057-01	1	Kit, Conversion LPG Vapor (Begin Spec M) (Includes Parts Marked #)	14	821-0009	1	*Screw, Self Locking Hex Head (1/4-20 x 3/8") (Not Shown)
	148-1108-01	1	LPG Vapor (Begin Spec M) (Includes Parts Marked <)	15	518-0350	1	*Clamp, Insulated
2	G-267	1	#< Instruction Sheet (Not Shown)	16	503-1016	1	*Hose, Oil (Vent) - 12" Long
3	98-7315-08	1	#< Label, Kit Number (Emissions)	17	502-0395	1	*Connector, Hose
4	140-2308	2	#< Gasket, Airhorn	18	505-0101	1	*Nipple, Close (3/8")
5	141-0958	1	#< Gasket, Carburetor (Not Shown)	19	505-0131	1	*Bushing, Reducer
6	146-0727	1	#< Carburetor, LPG (Emissions) (Not Shown)	20	307-2880	1	*Valve, Fuel Shutoff
7	148-1107	1	#< Kit, LP Accessory (Includes Parts Marked *)	21	505-0057	1	*Plug, Square Head
8	G-328	1	*Instruction Sheet (Not Shown)	22	503-1048	1	*Hose, Fuel
9	98-6455	1	* Label, LP Kit	23	503-0183	2	*Clamp, Hose
10	505-0120	1	*Elbow, Street (3/8") (Not Shown)	24	502-0238	1	*Connector, Hose
11	800-0028	2	*Screw, Hex Head Cap (5/16-18 x 1")	25	862-0001	2	*Nut, Hex (1/4-20)
12	870-0257	2	*Nut, Self Locking Hex (5/16-18)	26	850-0040	2	*Washer, Lock (1/4")
13	853-0013	1	*Washer, ET Lock (1/4") (Not Shown)	27	526-0018	2	*Washer, Flat (1/4")
				28	800-0008	2	*Screw, Hex Head Cap (1/4-20 x 1-1/4")
				29	148-0843	1	*Bracket, Gas Regulator
				30	148-1020	1	*Regulator, Gas

- Parts Included in 148-1057-01 LPG Vapor Conversion Kit.
< - Parts Included in 148-1108-01 LPG Vapor Conversion Kit.
* - Parts Included in 148-1107 LP Accessory Kit.

Air Housing

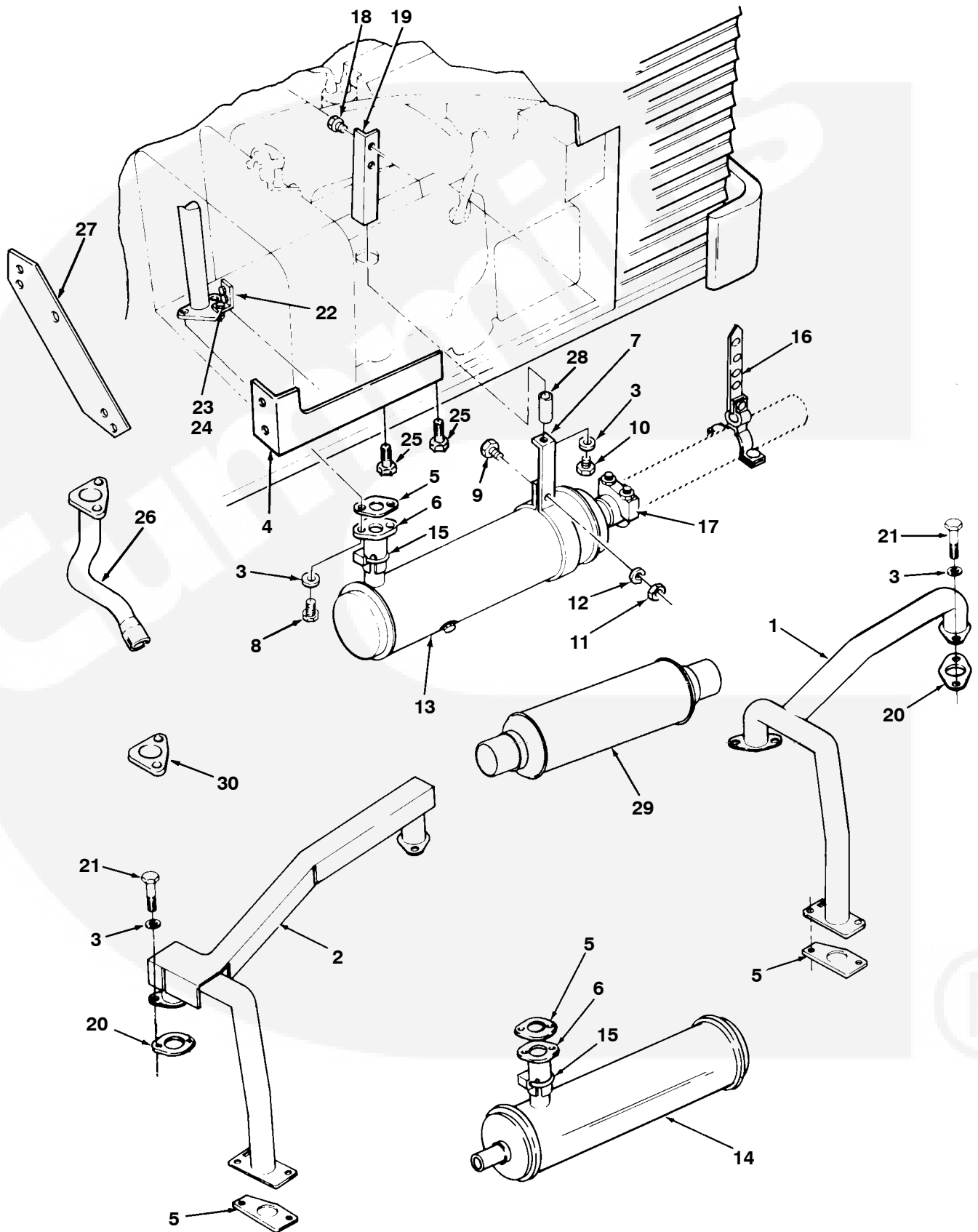


Air Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	2	Screw, Head – Hex Washer Self-locking (1/4–20 x 1/2")	10	856-0010	3	Washer, Lock – EIT (3/8")
2	134-4463	1	Scroll (Includes Baffle)	11	517-0283	1	Plug, Button – Dot
3	815-0759	2	Screw, Hex Head – Flanged Self-Locking (5/16–18 x 1")	12	800-0048	1	Screw, Cap – Hex Head (3/8–16 x 3/4")
4	134-4354	1	Backplate, Scroll	13	403-1523-01	2	Bracket, Lifting
5	815-0261	4	Screw, Hex Head – Self-Tapping (1/4–20 x 1/2")	14	870-0415	6	Nut, Self-Tapping (1/8")
6	134-4353	1	Housing, Air – Cylinder (Lt)		821-0009	11	Screw, Head – Hex Washer Self-Locking (1/4–20 x 3/8")
7	134-4352	1	Housing, Air – Cylinder (Rt)				Not Shown
8	134-4348	1	Guard, Scroll				
9			Shield, Noise (BGE Sets Only)				
	155-2579	1	Spec F–G				
	155-2555-51	1	Begin Spec H				



Exhaust System – Above Floor Models

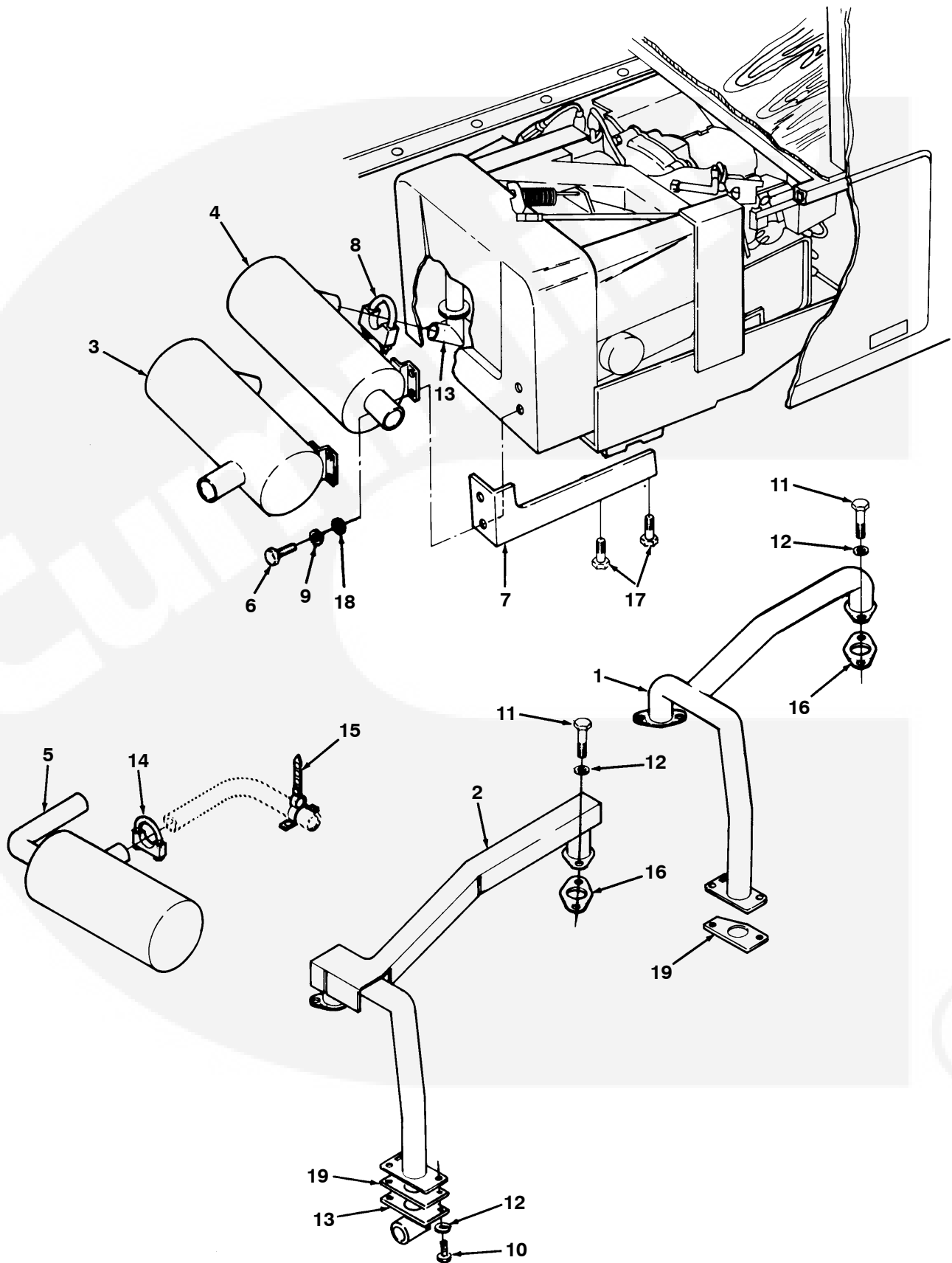


Exhaust System Above Floor Models

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2551	1	Manifold, Exhaust – Gasoline				(Inlet/Outlet on Same End)
2	154-2627	1	Manifold, Exhaust – LP (Includes Fuel Line and Heat Shield)	15	155-1239	1	Clamp, Muffler (1-5/8")
3	740-1006	7	Washer, Lock (5/16")	16	155-2174	1	Hanger, Exhaust
4			Bracket, Exhaust	17	155-1015	1	Clamp, Muffler (1-1/2")
	155-2049	1	Spec F-J	18			Screw, Head – Hex Washer Thread Form
	155-2049-02	1	Begin Spec K		815-0261	2	Spec E-F(1/4-20 x 1/2")
5	154-2542	1	Gasket, Exhaust		815-0290	2	Begin Spec G (1/4-20 x 5/8")
6			Adapter, Exhaust (Flange Type)	19	155-2026-02	1	Strap, Muffler
	154-2540	1	4-1/4" Long	20	154-2746	2	Gasket, Manifold – Exhaust
	154-2683	1	6-1/4" Long	21	800-0026	4	Screw, Cap – Hex Head (5/16-18x3/4")
	154-2718	1	8" Long	22			Bracket, Manifold – Exhaust
7	155-2025-02	1	Strap, Muffler (5.77" Long)		155-2036	1	BGEL (1.97" Long)
8	800-0730	2	Screw, Cap – Hex Head (5/16-18 x 1")		154-2538	1	BGE (2.31" Long)
9	800-0007	1	Screw, Cap – Hex Head (1/4-20 x 1")	23	800-0005	1	Screw, Cap – Hex Head (1/4-20 x 3/4")
10			Screw, Cap – Hex Head	24	526-0018	1	Washer, Flat (1/4")
	800-0026	1	Use without Spacer (5/16-18 x 3/4")	25	821-0029	2	Screw, Hex Washer Head – Self-Locking (3/8-16 x 3/4")
	800-0036	1	Use with Spacer (5/16-18 x 2-3/4")	26	154-2662	1	Tube, Exhaust – 11" Long
11	870-0212	1	Nut, Self-Lock (1/4-20)	27	154-2663	1	Bracket, Exhaust
12	740-1004	1	Washer, Flat (M6)	28	370-4027	1	Spacer, Muffler- 2" Long (Used Only On RVs With 6-1/4" Long Exhaust Adapter)
13	155-1258	1	Muffler, Arrestor – Spark (Inlet/Outlet on Opposite Ends)	29	155-2449	1	Resonator, Exhaust – Gasoline Units Only
14	155-1485	1	Muffler, Arrestor – Spark	30	154-2537	1	Flange, Exhaust Manifold



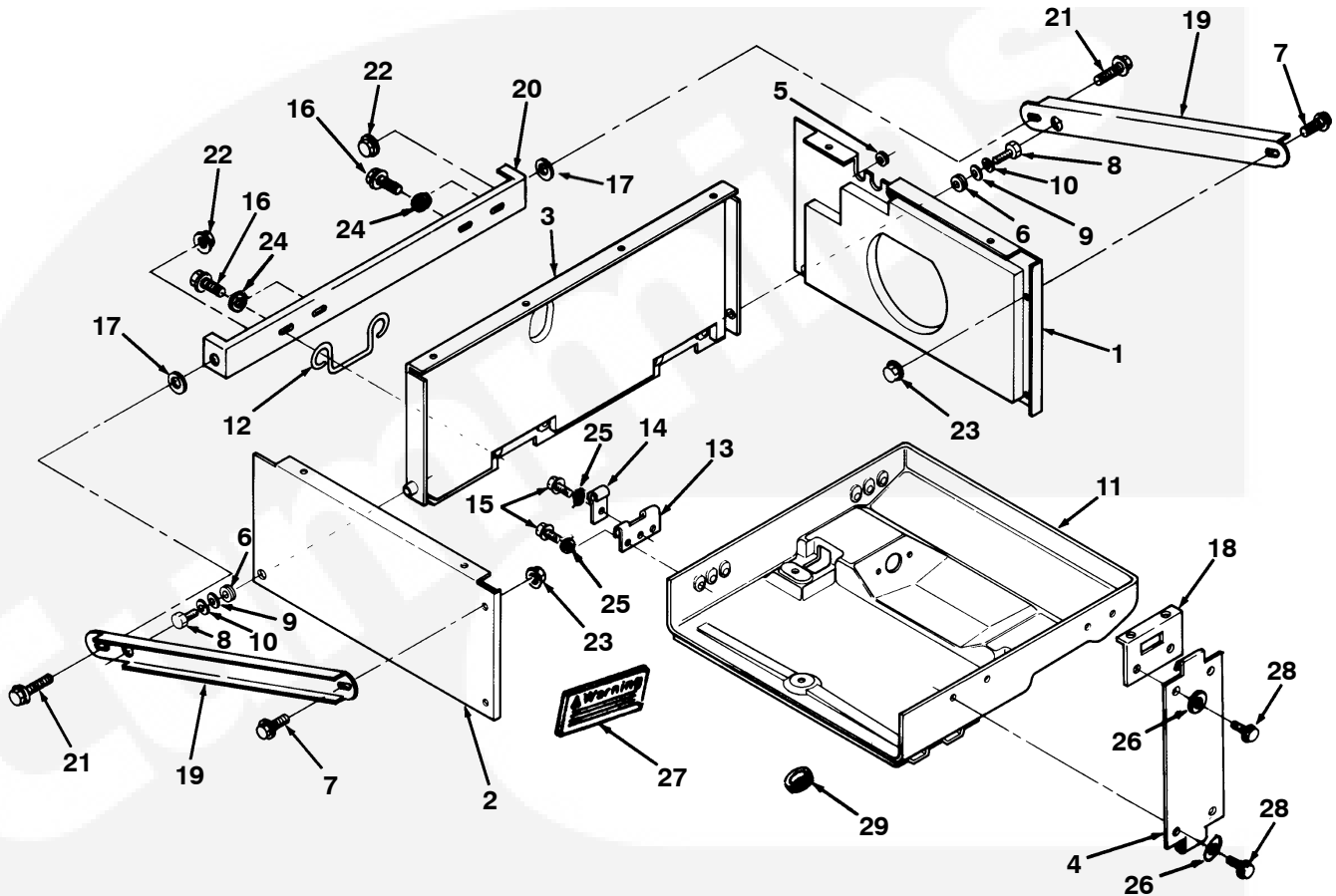
Exhaust System Below Floor Models



Exhaust System Below Floor Models

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2551	1	Manifold, Exhaust – Gasoline	9	850-0040	2	Washer, Lock (1/4")
2	154-2627	1	Manifold, Exhaust – LP (Includes Fuel Line and Heat Shield)	10	800-0730	2	Screw, Cap – Hex Head (5/16-18 x 1")
3	155-2086	1	Muffler, Arrestor – Spark (Inlet/Outlet on Opposite Ends)	11	800-0026	4	Screw, Cap – Hex Head (5/16-18 x 3/4")
4	155-2085	1	Muffler, Arrestor – Spark (Inlet/Outlet on Opposite Ends)	12	850-0045	6	Washer, Lock (5/16")
5	155-2164	1	Muffler, Arrestor – Spark (Inlet/Outlet on Same End)	13	154-2539	1	Tube, Exhaust
6	800-0004	2	Screw, Cap – Hex Head (1/4-20 x 5/8")	14	155-1015	1	Clamp, Muffler (1-1/2")
7	155-2049	1	Bracket, Manifold – Exhaust	15	155-2174	1	Hanger, Pipe – Exhaust
8	155-1256	1	Clamp, Muffler (1-1/4")	16	154-2746	2	Gasket, Manifold – Exhaust
				17	821-0029	2	Screw, Hex Washer Head – Self Lock (3/8-16 x 3/4")
				18	526-0130	2	Washer, Flat (1/4")
				19	154-2542	1	Gasket, Exhaust

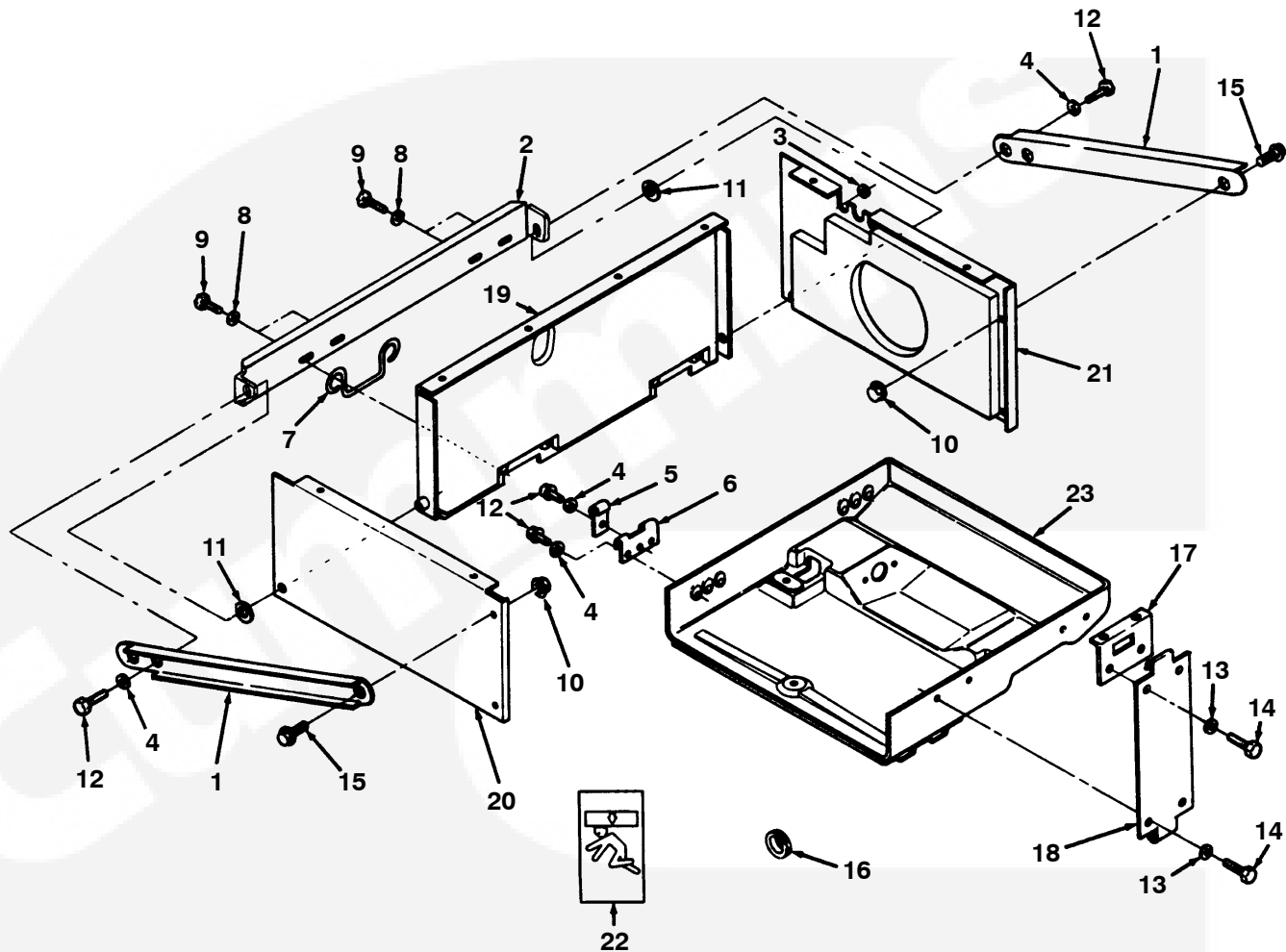
**Housing – Below Floor Models
(1985–1992)
(Specs 26101, 26104, 26111, 29237, 31814)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3332	1	Panel, Right Hand
2	405-3333	1	Panel, Left Hand
3	405-3334	1	Panel, Rear
4	405-3401	1	Support, Housing
5	508-0071	3	Grommet, Rubber (.62 ID)
6	508-0008	2	Grommet, Rubber (.50 ID)
7	821-0014	2	Screw, Self-Locking (5/16-18 x 1/2")
8	800-0002	2	Screw, Cap – Hex Head (1/4-20 x 3/8")
9	526-0130	2	Washer, Flat (1/4")
10	850-0040	2	Washer, Lock (1/4)
11	403-2280	1	Pan, Drip
12	406-0566	2	Pin, Hinge
13	406-0567	2	Plate, Hinge
14	406-0568	2	Support, Hinge
15	800-0005	6	Screw, Cap – Hex Head (1/4-20 x 3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
16	800-0048	4	Screw, Cap – Hex Head (3/8-16 x 3/4")
17	526-1518	4	Washer, Flat (7/16")
18	405-3405	1	Bracket, Housing
19	405-3611	2	Brace, Side (22.2" Long)
20	405-3612	1	Brace, Rear (27.35" Long)
21	821-0033	2	Screw, Lock – Hex Head (7/16-14 x 3/4")
22	870-0437	2	Nut, Hex (7/16-14)
23	870-0257	2	Nut, Hex (5/16-18)
24	526-0174	4	Washer, Flat (3/8")
25	526-0382	6	Washer, Flat (1/4")
26	526-0122	4	Washer, Flat (5/16")
27	98-6402-01	1	Label, Warning
28	800-0026	4	Screw, Cap – Hex Head (5/16-18 x 3/4")
29	508-0051	1	Grommet, Rubber (1.75"ID)

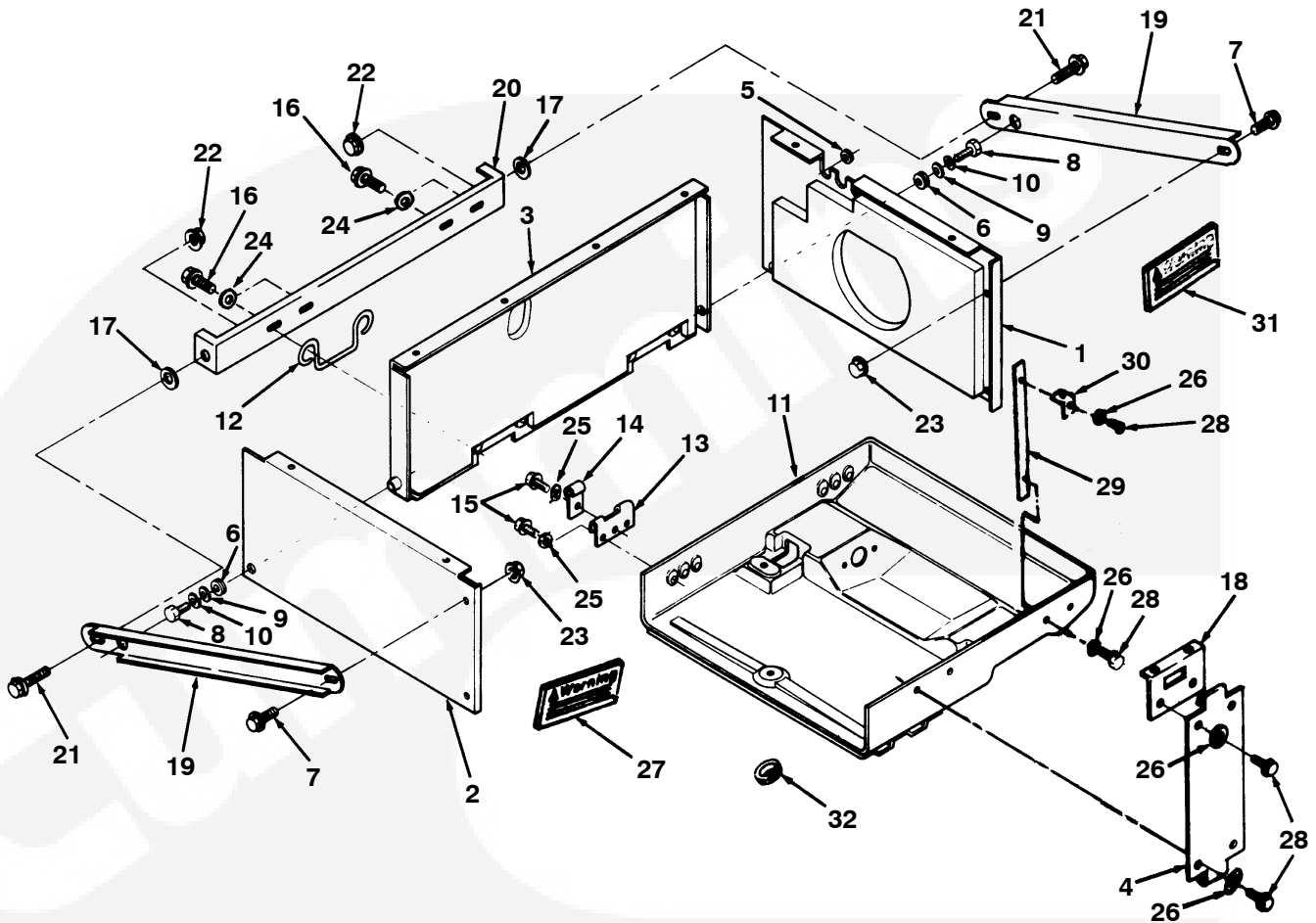
**Housing – Below Floor Models
(Begin 1992)
(Specs 26101, 26104, 26111, 29237, 31814)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4763-02	2	Brace, Side
2	405-4762-02	1	Brace, Rear
3	508-0071	3	Grommet, Rubber (.62 ID)
4	526-0382	8	Washer, Flat (1/4")
5	406-0568	2	Support, Hinge
6	406-0567	2	Plate, Hinge
7	406-0566	2	Pin, Hinge
8	526-0174	4	Washer, Flat (3/8")
9	800-0048	4	Screw, Cap – Hex Head (3/8–16 x 3/4")
10	870-0257	2	Nut, Lock (5/16–18)
11	526-0017	2	Washer, Flat (7/16")
12	800-0533	8	Screw, Cap – Hex Head (1/4–20 x 3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	526-0122	4	Washer, Flat (5/16")
14	800-0026	4	Screw, Cap – Hex Head (5/16–18 x 3/4")
15	821-0014	2	Screw, Lock Head (5/16–18 x 1/2")
16	508-0051	1	Grommet, Rubber (1–3/4 ID)
17	405-3405	1	Bracket, Housing
18	405-3401	1	Support, Housing
19	405-3334	1	Panel, Rear
20	405-3333	1	Panel, Left Hand
21	405-3332	1	Panel, Right Hand
22	98-6402-01	1	Label, Warning
23	403-2280	1	Pan, Drip

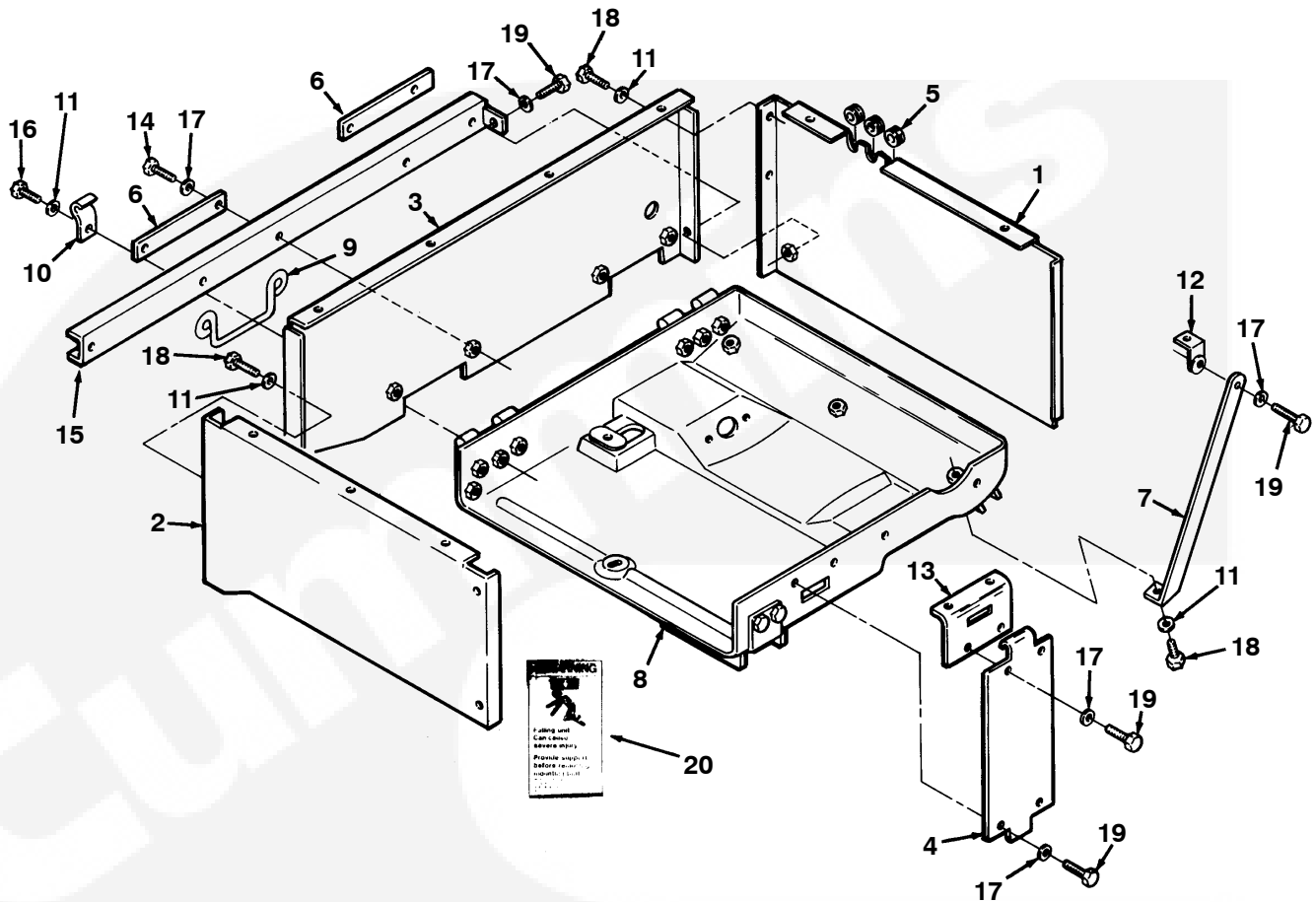
Housing – Below Floor Sets (Specs 26109, 37593)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3397	1	Panel, Right Hand
2	405-3400	1	Panel, Left Hand
3	405-3394	1	Panel, Rear
4	405-3401	1	Support
5	508-0071	3	Grommet, Rubber (.62 ID)
6	508-0008	2	Grommet, Rubber (.50 ID)
7	821-0014	2	Screw, Self-Locking (5/16-18 x 1 1/2")
8	800-0002	2	Screw, Cap – Hex Head (1/4-20 x 3/8")
9	526-0130	2	Washer, Flat (1/4")
10	850-0040	2	Washer, Lock (1/4")
11	403-2557-03	1	Pan, Drip
12	406-0566	2	Pin, Hinge
13	406-0567	2	Plate, Hinge
14	406-0568	2	Support, Hinge
15	800-0005	6	Screw, Cap – Hex Head (1/4-20 x 3/4")
16	800-0048	4	Screw, Cap – Hex Head (3/8-16 x 3/4")

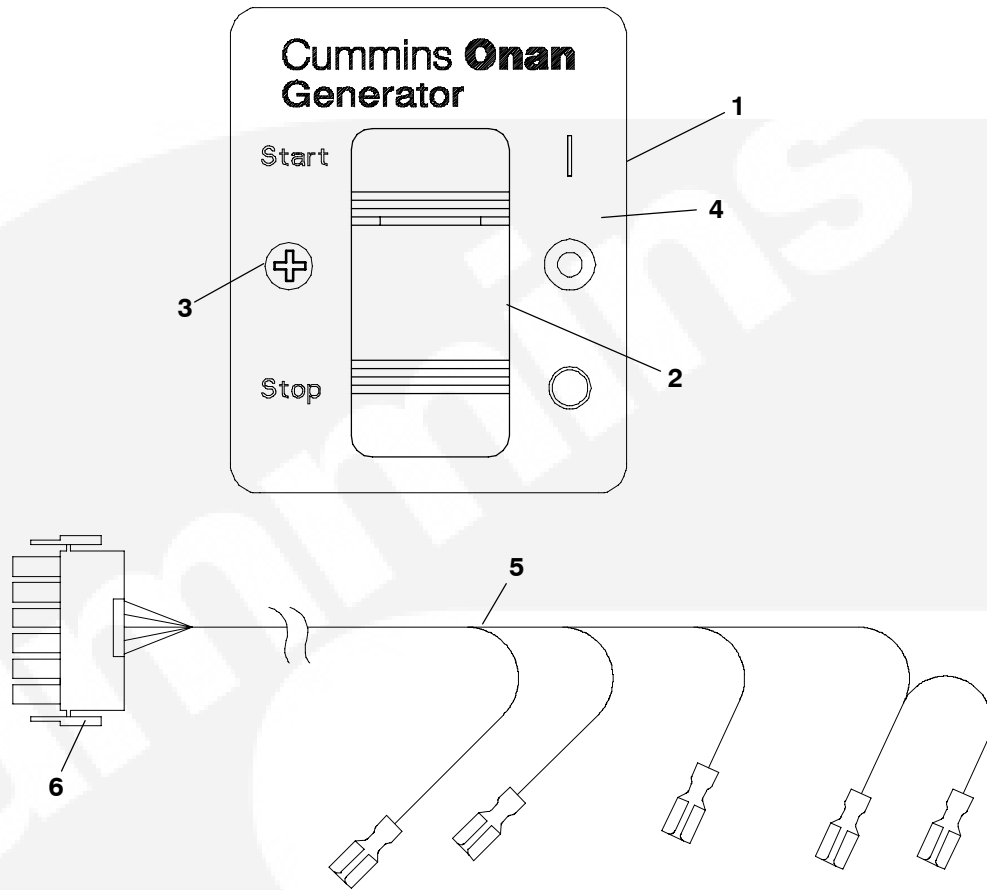
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
17	526-1518	4	Washer, Flat (7/16")
18	405-3406	1	Bracket
19	405-3607	2	Brace, Side (25-1/4" Long)
20	405-3608	1	Brace, Rear (29-1/4" Long)
21	821-0033	2	Screw, Lock – Hex Head (7/16-14 x 3/4")
22	870-0437	2	Nut, Hex (7/16-14)
23	870-0257	2	Nut, Hex (5/16-18)
24	526-0174	4	Washer, Flat (3/8")
25	526-0382	6	Washer, Flat (1/4")
26	526-0122	6	Washer, Flat (5/16")
27	098-6402-01	1	Label, Warning
28	800-0026	6	Screw, Cap – Hex Head (5/16-18 x 3/4")
29	405-3597	1	Bracket
30	405-3596	1	Support
31	098-5543	1	Label, Caution
32	508-0051	1	Grommet, Rubber (1.75"ID)

Housing – Below Floor Models (Commercial Applications)



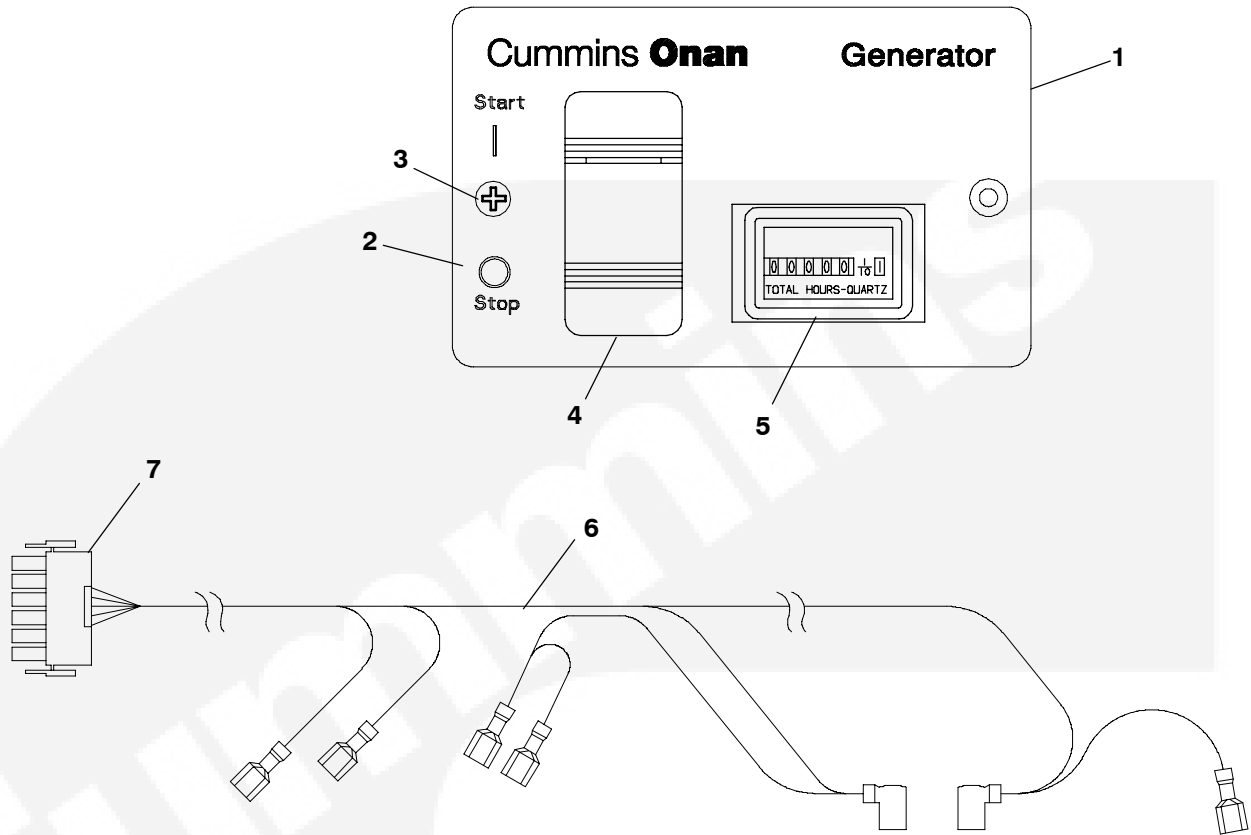
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3993	1	Panel, Right Hand	12	405-4037	1	Bracket, Housing
2	405-3988	1	Panel, Left Hand	13	405-3999	1	Bracket, Housing
3	405-3986	1	Panel, Rear	14	800-0589	4	Screw, Cap – Hex Head (3/8-16 x 1-1/2")
4	405-3974	1	Support (Includes Warning Label)	15	405-4000	1	Brace, Rear (27.22" Long)
5	508-0071	3	Grommet, Rubber	16	800-0029	2	Screw, Cap – Hex Head (5/16-18 x 1.12")
6	405-3996	2	Spacer, Brace	17	526-0174	23	Washer, Flat (3/8")
7	405-3955-S0	1	Support, Housing (Includes Caution Label)	18	800-0026	6	Screw, Cap – Hex Head (5/16-18 x 3/4")
8	403-2727	1	Pan, Drip	19	800-0517	6	Screw, Cap – Hex Head (3/8-16 x 1")
9	406-0655	2	Pin, Hinge	20	98-5334-01	1	Label, Warning
10	406-0657	2	Support, Hinge				
11	526-0122	8	Washer, Flat (5/16")				

Remote Start Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4936	1	Kit, Remote Control	4	319-6987-01	1	Panel, Control (Printed)
1	300-4953-01	1	Panel, Control	5	338-3510	1	Harness, Wiring
2	308-1062	1	Switch, Rocker	6	323-1304	1	Connector, Housing (8 Pin)
3	815-0910	2	Screw, Machine - Round Head (#6-32 x 1/2")				

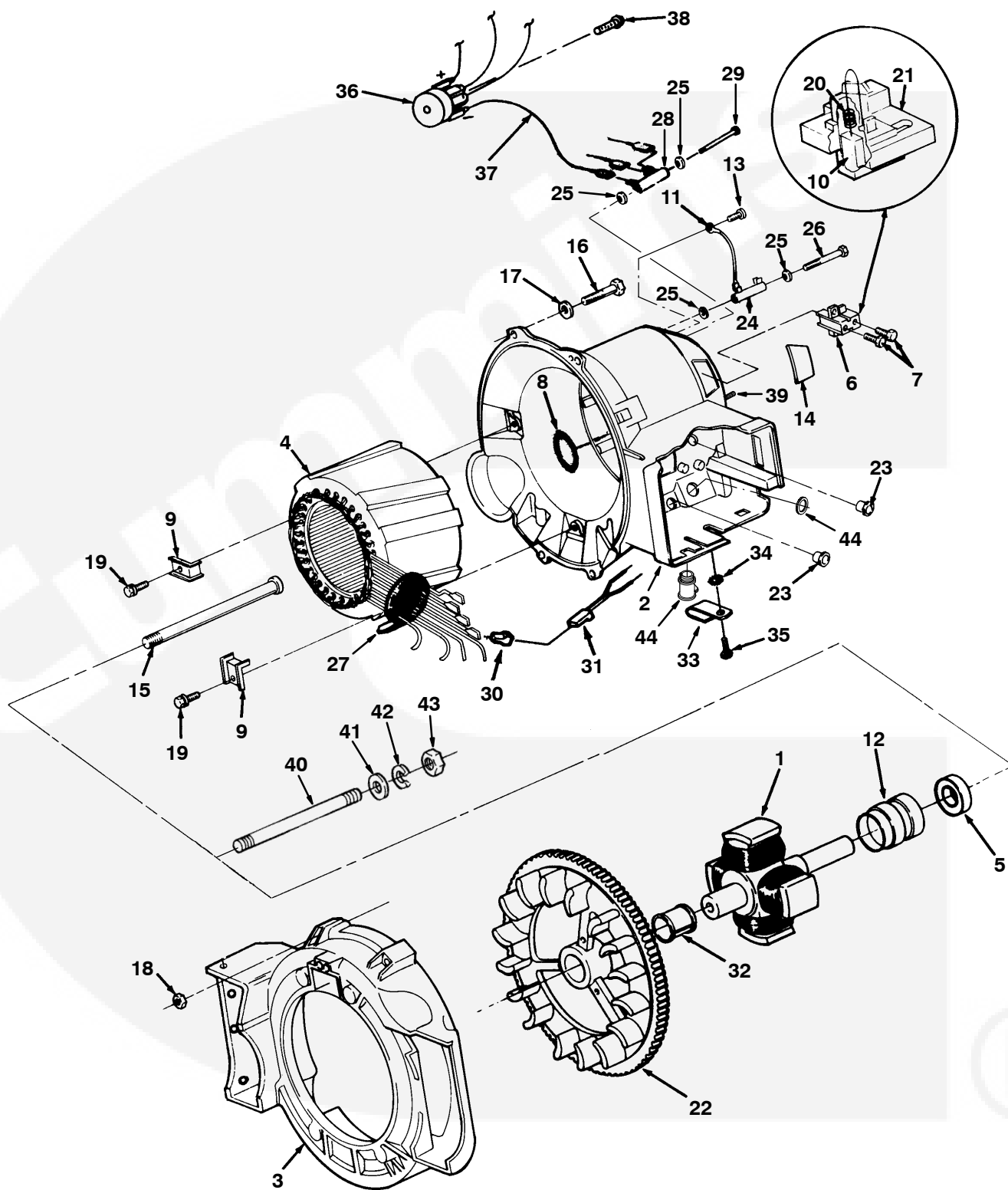
Remote Start Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4937	1	Kit, Remote Control (Includes Parts	4	308-1062	1	Switch, Rocker
1	300-4951-01	1	Panel, Control	5	302-2002	1	Hourmeter
2	319-6988-03	1	Panel, Control (Printed)	6	338-3466	1	Harness, Wiring
3	815-0910	2	Screw, Machine - Round Head (#6-32 x 1/2")	7	323-1304	1	Connector, Housing



Generator

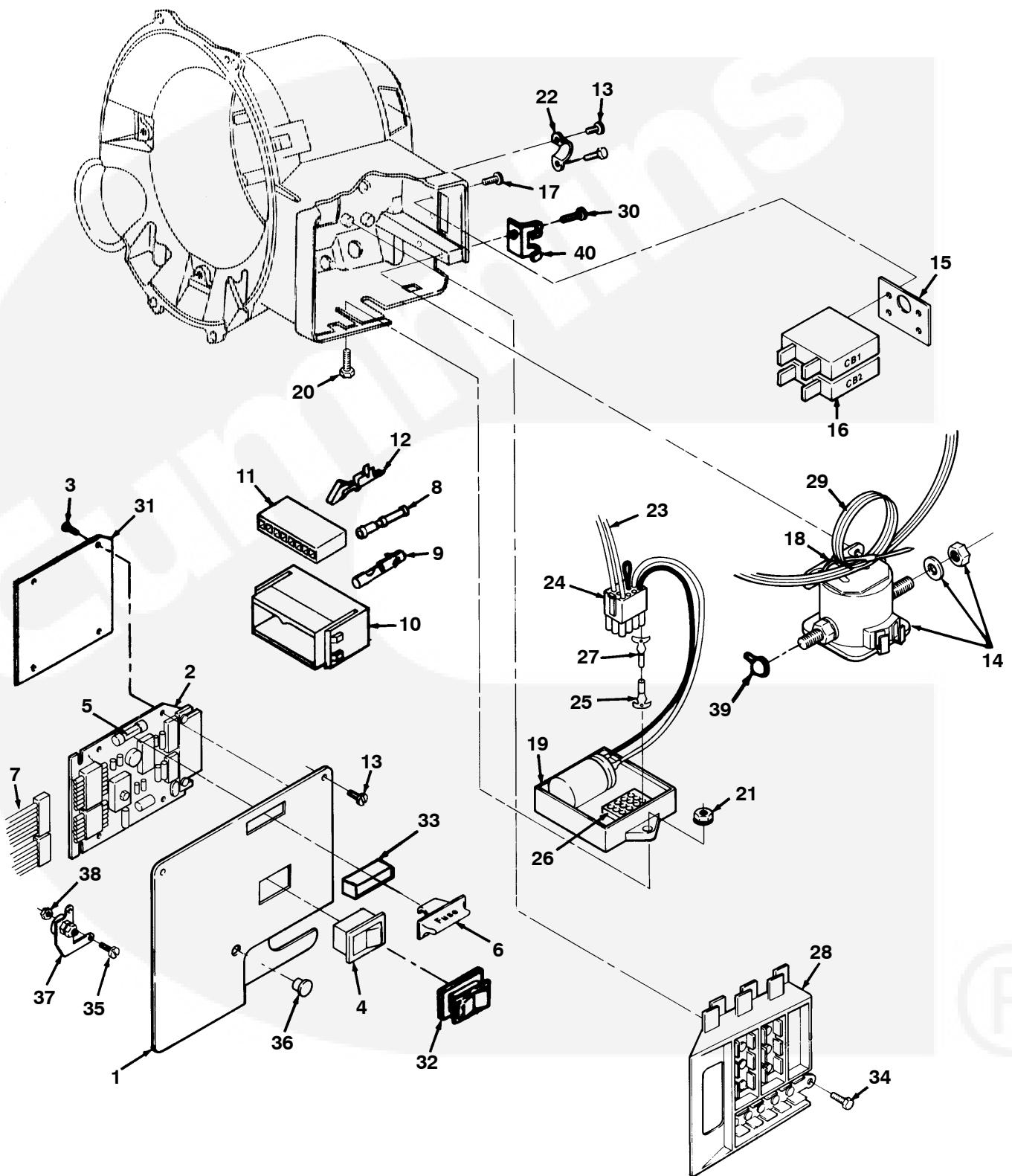


Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	201-3388-03		Rotor, Generator (Includes Fan, Ball Bearing and Collector Ring)	20	212-1276-03	2	Spring, Brush – Generator
2			Housing, Stator	21	212-1286	1	Block, with Terminal
	220-4133	1	Spec F-K	22	205-0165	1	+ Fan and Gear, Rotor
	220-4532-01	1	Begin Spec L	23	508-0272	2	Grommet, Nylon (.68" ID)
3			Adapter, Generator	24			Resistor, Charger – Battery (25 Watts)
	231-0288-01	1	Spec F-K		304-0794	1	Spec F-J
	231-0381-01	1	Begin Spec L		304-0797	1	Begin Spec K
4			Stator, Generator	25			Washer, Center – Resistor
			60 Hz		304-0796	4	Gasoline
	220-4135-04	1	Spec F-G		304-0796	2	LP Gas
			Begin Spec H	26	815-0660	1	Screw, Head – Hex (#10-32 x 2-1/2")
	220-4135-04	1	120 Volts	27	332-0941	1	Tie, Cable – 50 Hz
	220-4135-05	1	100 Volts	28	304-0798	1	Resistor, Pump – Fuel (Gasoline)
	220-4135-03		50 Hz	29	815-0712	1	Screw, Head – Pan (#10-32 x 1/2")
5	510-0099	1	Bearing, Ball	30	323-1298	2	Connector, Tab
6	212-1285	1	Block, Brush – Genertor (Includes Spring, Block, Brush)	31			Connector, Receptacle
7	815-0788	2	Screw, Head – Pan (#10-32 x 7/8")		332-0819	2	60 Hz
8	509-0196	1	O'Ring, Housing – Stator		332-0819	3	50 Hz
9	232-2955-02	3	Clamp, Stator	32	518-0460	1	Ring, Tolerance
10	214-0103	2	Brush, Block	33	518-0533	1	Clip – Below floor Models
11	226-3492-01	1	Lead, Resistor	34	853-0013	1	Washer, ET (#10-32)
12	204-0134	1	Ring, Collector – Rotor	35	815-0661	1	Screw, Pan Head – Thread Form (#10-32 x 1/2")
13	815-0691-01	1	Screw, Pan Head (#10-32 x 23/64")	36	305-0718	1	Bridge, Rectifier (Begin Spec K) (CR10)
14	212-1284	1	Cover, Block – Brush	37	338-3010	1	Harness, Charger – Battery (Begin Spec K)
15	802-1038	1	Screw, Socket – Rotor Through (7/16-14 x 10-1/4")	38	815-0788	1	Screw, Pan Head (#10-32 x 7/8") (Begin Spec K)
16			Screw, Hex – Flange Head				Stud, Grounding
	800-0575	4	Spec F-K (3/8-16 x 1-1/8")	39	332-3328	1	Stud – 13.125" Long
	815-0908	4	Begin Spec L (3/8-16 x 1-1/2)	40	520-0961-02	1	Extended Shaft
17	850-0050	4	Washer, Lock – Spring (3/8") (Spec F-K Only)	41	526-0032	1	Washer, Flat (7/16")
18	862-0003	4	Nut, Hex (3/8-16) (Spec F-K Only)	42	850-0055	1	Washer, Lock (7/16")
19	815-0646	3	Screw, Cap – Hex Washer Head (1/4-20 x 3/4")	43	870-0203	1	Nut, Hex (7/16-20)
				44	331-0536	1	Connector, Conduit



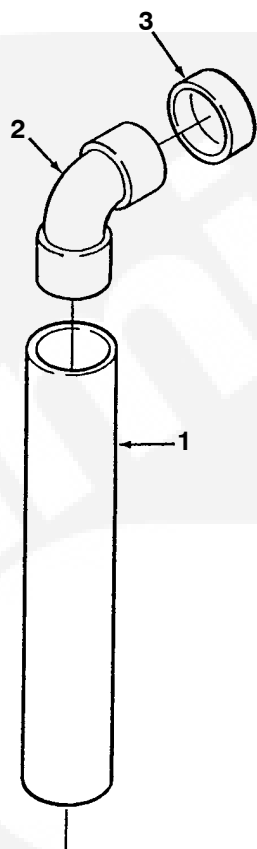
Control



Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cover, Control				
			60 Hz	17			Screw, Slotted Head – IT
			4.0		815-0550	2	Use with Single CB
	319-1238-03	1	Volt Code 1R,FA				(#6-32 x 3/8")
	319-1237-09	1	Volt Code FR		815-0550-01	4	Use with Double CB
	319-1238-07	1	5.0				(#6-32 x 5/16")
	319-1238-19	2	30 Amp Breakers	18	332-0941	2	Tie, Cable
	319-1237-02	1	50 Hz	19			Regulator, Voltage
2			Board, Circuit – Printed		305-0809-01	1	60 Hz
	300-3950	1	Spec E-G		305-0809-03	1	50 Hz
	300-3763-01	1	Spec H-M	20	821-0003	1	Screw, Hex Head (#10-32 x 1")
	300-4901-01	1	Begin Spec N	21	870-0131	1	Nut, Hex – W/ET (#10-32)
3	815-0791	4	Screw, Pan Head – Cross	22	232-3265	1	Clamp, Conduit
			Recessed (#6-32 x 3/8")	23			Harness, Wiring – Voltage
4	308-0995	1	Switch, Rocker				Regulator
5	321-0298	3	Fuse, 5 Amps – Slo-Blow		338-2076	1	60 Hz – Volt Code 1R,FA
6	321-0295	1	Holder, Fuse (Holds Spare		338-2083	1	60 Hz – Volt Code FR
			Fuses)		338-2083-01	1	50 Hz, 120/240 Volt,
7			Harness, Wiring – PCB#1				Single Phase
			BGE	24	323-1314	1	Housing (12 Pin)
	338-2040	1	Spec F,G	25	323-1200	6	Socket, Contact – 60 Hz
			Spec H	26	323-1371	1	Header (12 Pin)
	338-2636-01	1	Gas	27	323-1199	12	Pin, Contact
	338-2636-02	2	LP	28			Block, Terminal
			Spec J		332-2859-02	1	60 Hz
	338-2768-01	1	Gas		332-2859-01	1	50 Hz
	338-2768-02	1	LP	29			Harness, Wiring – AC Outlet
	338-2895	1	Begin Spec K				60 Hz
	338-3479	1	Begin Spec M & Up		338-2045	1	4.0
	338-2040	1	BGEL		338-2058	1	5.0
8	323-1486	12	Socket, Contact (Spec H,J,K)		338-2058	1	50 Hz
9	323-1200	1	Socket, Contact	30	815-0692-02	1	Screw, Torx – Pan Head
10	323-1487-03	1	Housing, Connector (Spec				(1/4-20 x 1)
			H,J,K)	31	332-3075	1	Insulator, Board – PC (.005"
11	323-1312	2	Housing, Connector (BGE Spec				Thick)
			F,G, and BGEL)	32	308-0949	1	Cover, Switch – Rocker
12	323-1440	5	Pin, Contact (BGE Spec F,G,	33	321-0287	1	Insulator, Fuse
			and BGEL)	34	815-0691-01	1	Screw, Head – Pan
13	815-0661	4	Screw, Pan Head – Thread				(#10-32 x 23/64")
			Forming (#10-32 x 1/2")	35	815-0385	1	Screw, Machine – Round Head
14	307-2570	1	Solenoid, Start (Includes				(#6-32 x 1/2") – 50 Hz
			Nuts and Washers)	36	517-0133	1	Plug, Hole – 50 Hz
15	320-1561-02	1	Guard, Breaker – Circuit (Use	37	303-0276	1	Potentiometer – 50 Hz
			with Single Pole Breakers	38	870-0183	1	Nut, Hex – W/ET (#6) –
			Only)				50 Hz
16			Breaker, Circuit	39	332-2112	1	Insulator, Terminal – Start
			60 Hz	40	321-0323-02	1	Bracket, Holder – Fuse (Begin
			4.0				Spec K)
	320-1323	1	30 Amp Volt Code 1R,FA				
	320-1683	2	20 Amp Volt Code FR				
			5.0				
	320-1323	1	30 Amp (CB1)				
	320-1683	1	20 Amp (CB2)				
	320-1548-02	1	50 Hz				

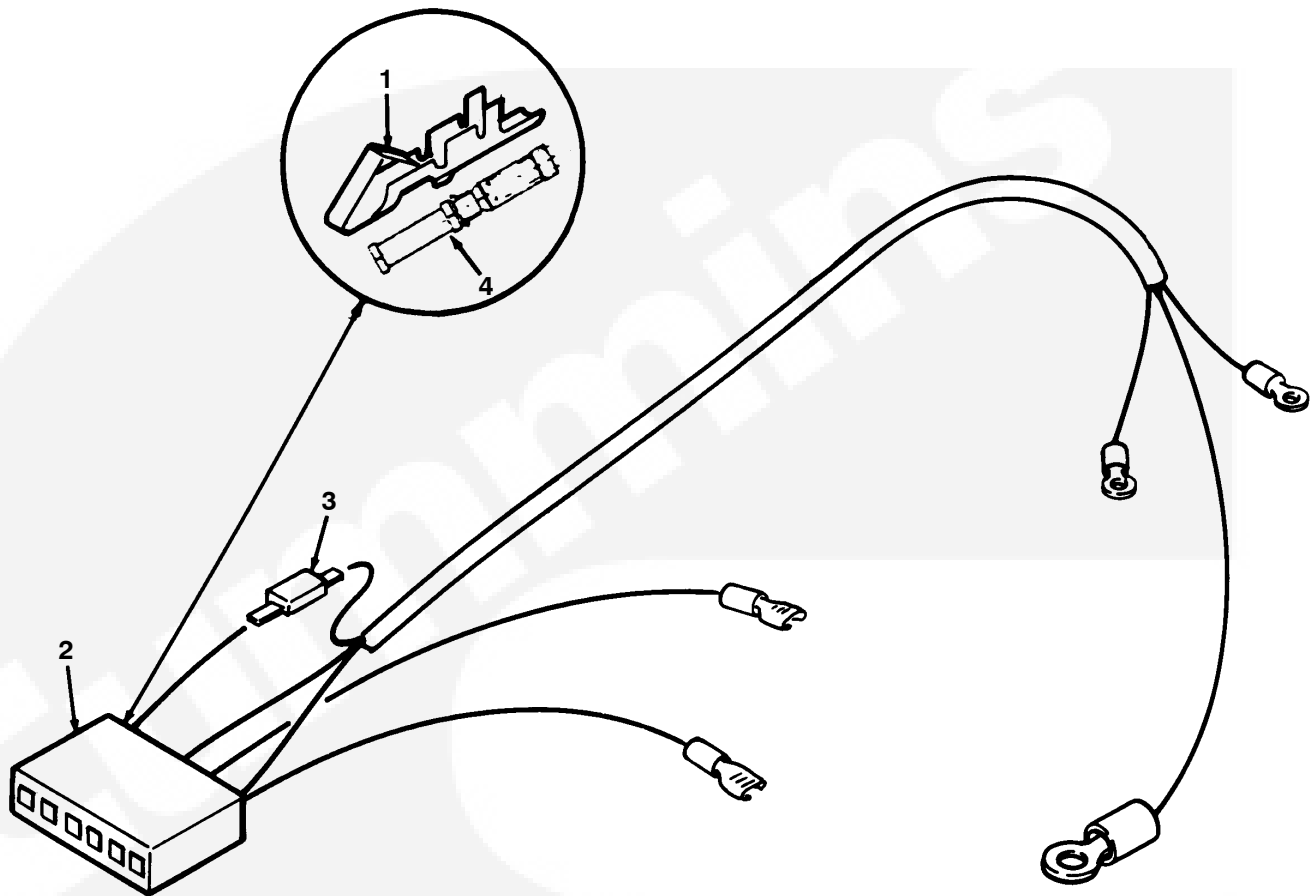
**Breather Tube Bypass
(Cold Weather Use Only)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1551	1	Tube, Breather
2	502-1026	1	Elbow, 90°
3	517-0260	1	Plug, Cap

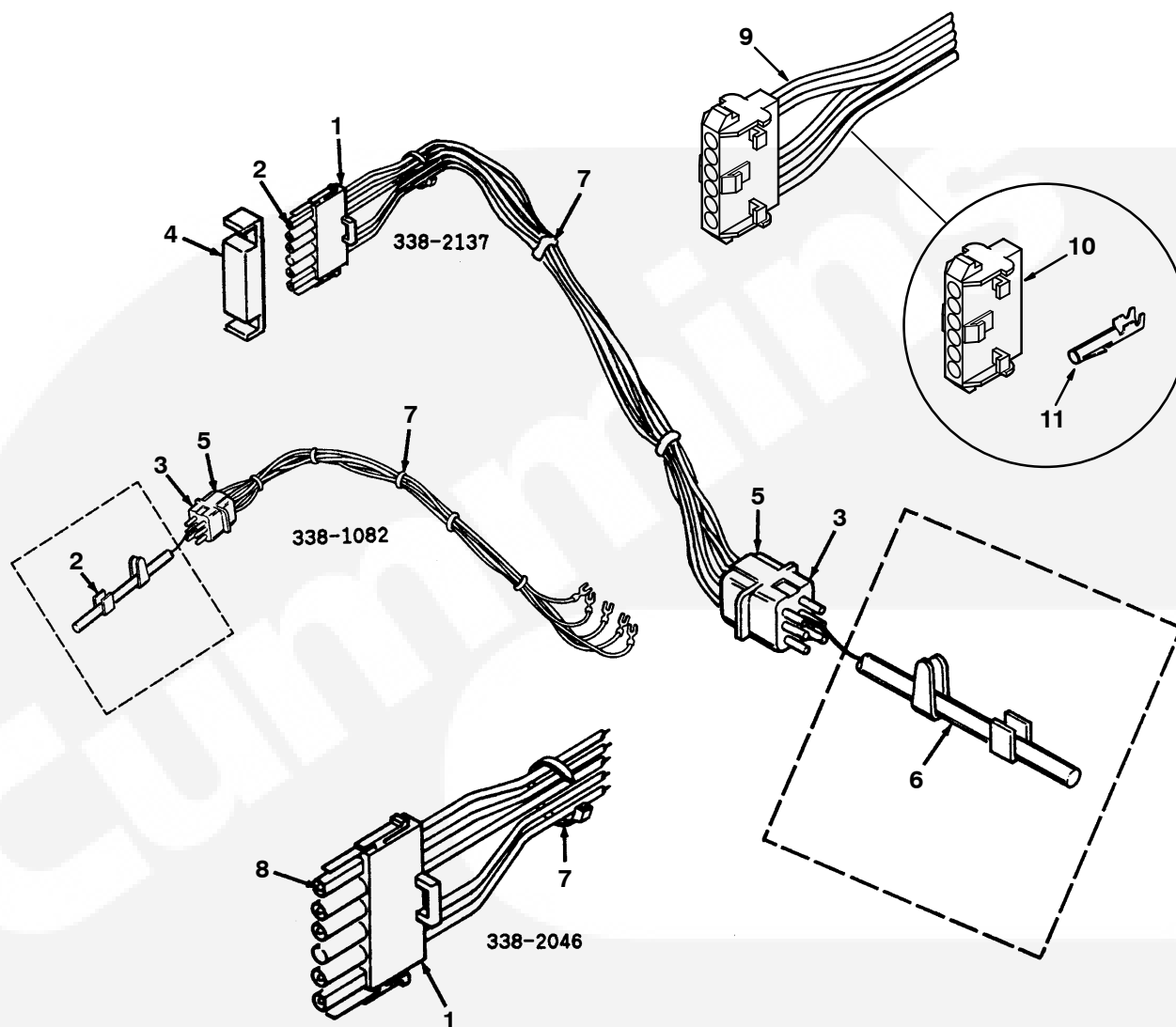


Wiring Harness PCB #3



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-2041	1	Harness, Wiring		323-1440	8	Gasoline Units
	338-2635	1	6 Pin Housing – 5 Wire – Gasoline – Volt Code FA				Use With 8 Pin Housing – LP Liquid/Vapor
	338-2634	1	LP Liquid – Begin Spec H – Volt. Code FA, FN	2	323-1329	1	Housing
	338-2086	1	Gasoline – Begin Spec H		323-1312	1	6 Pin
1	323-1302	6	6 Pin Housing – BGEL		323-1487-03	1	8 Pin
			Pin, Contact	3	357-0067	1	12 Pin
			Use With 6 Pin Housing –	4	323-1486	1	Rectifier – BGEL
							Socket, Contact

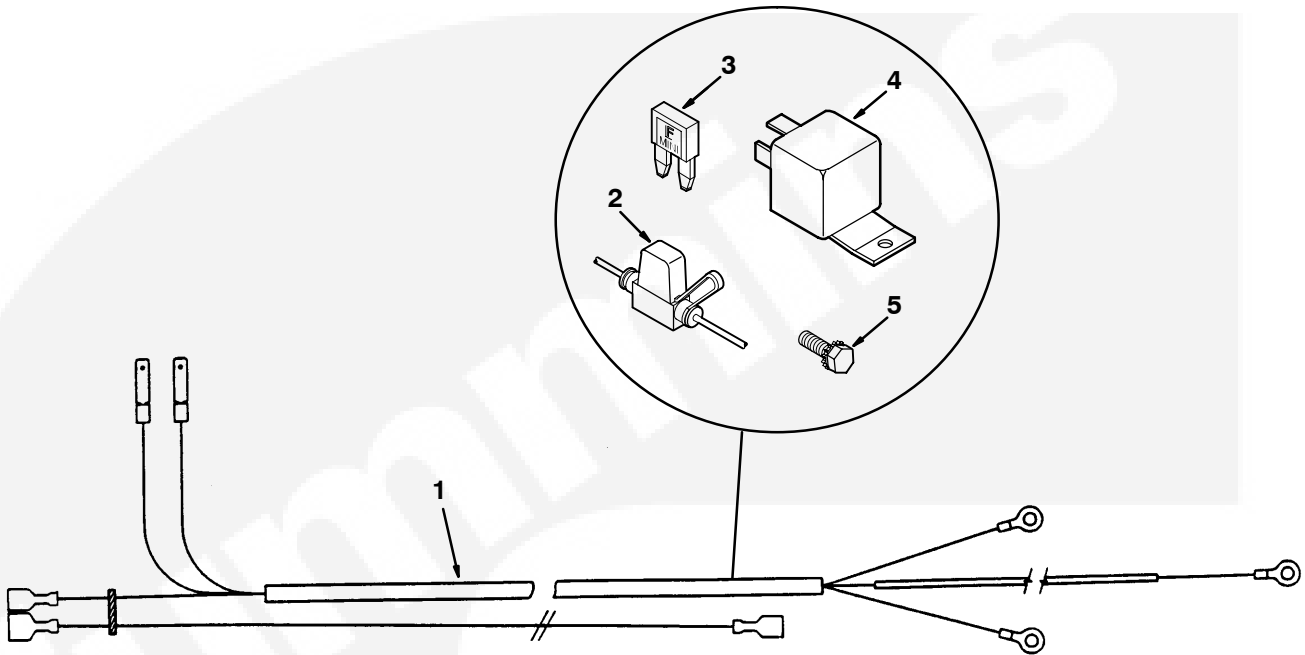
Remote Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-1082	1	Harness, Wiring – Remote Without Socket – 6" Long (Includes 5 Connector Pins)	6	323-0488	1	Socket Connector – Female
	338-2137	1	With Socket – 6" Long	7	332-0942	1	Tie, Cable
	338-2046	1	Without Socket (Includes 5 Contact Pins)	8	323-1199	5	Pin, Contact
1	323-1304	1	Housing, Connector	9	338-3572	1	Harness, Adapter (Includes Parts Marked *) (Use With Gasoline and LP Kits 300-4936, 300-4937, & 300-2938)
2	323-0500	6	Use with 6 Pin Harness	10	323-1342	1	*Housing, Terminal
	323-0500	5	Use with 5 Pin Harness	11	323-1200	5	*Socket, Contact
3	323-0440	1	Housing, Socket Pin				
4	323-1303	1	Connector, 6 Pin				
5	323-0400	1	Housing, Connector Pin				

* – Parts Included in Adapter Harness.

Wiring Harness Begin Spec J



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Engine Spec J	4	307-1886	1	*Relay (K4)
	338-2766	1	Gasoline Engines	5	815-0181	1	*Screw, Thread Cutting – Hex Head (w/ET) (10-32 x 1/2")
	338-2767	1	LP Liquid Engines				
	338-3054		Begin Spec K (Includes Parts Marked *)				
2	321-0322-01	1	*Holder, Fuse				
3	321-0321-06	1	*Fuse (F2) (Mounts Between K1 and K4)				

* – Parts Included in 338-3054 Wiring Harness.

25Labels, Paint, Thread Sealant, Gasket Kits, and Carburetor Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-5313	1	Label, Warning (Battery Cables)		98-6566	1	#Label, Fuse
	98-5142	1	Label, Warning (Fire Hazard)		98-6587-03	1	#Label, Kit Number
	98-5626	1	Decal (Emerald I) - 60 Hz		98-6618-01	1	#Label, Oil Fill
	98-5852	1	Decal (Emerald I) - 50 Hz		123-1961	1	#Cap, Oil Fill
	98-6164-01	3	Label, Performer - 18 Horse power		140-2308	1	#Gasket, Airhorn SubAssembly
	98-5755	1	Label, Warning (Hazardous Voltage)		140-2725	1	#Adapter Assembly
	98-5958	1	Label, LP Kit		141-0958	1	#Gasket, Carburetor
	98-5777-01	1	Label, Warning (Improper Operation)		145-0667	1	#Rod, Air Inlet
	98-5815	1	Service Instructions - BGE		146-0577	1	#Carburetor, Auto Choke
	98-6074-02	1	Label, Warning (Operation, Maintenance and Service) (2.38" Size)		150-2421	1	#Spring, Compression
	98-6285-02	1	Decal (Onan 4000 Gen Set) (Begin Spec H)		150-2589	2	#Washer, Friction
	98-6276	1	Label, Warning - RV Units		167-0272	2	#Plug, Spark
	98-6618-01	1	Label, Oil Fill		226-4599	1	#Lead Assembly, Engine
	98-6041	1	Label, Warning (Voltage-Gas)		304-0797	1	#Resistor
	98-6388-02	1	Label, Phone Information		305-0718	1	#Bridge, Rectifier
	98-6285-03	1	Silkscreen, Model Identification (4000)		321-0357-02	1	#Bracket, Fuse Holder
	98-5821	1	Label, Listed - RV - 60 Hz		332-1445	5	#Tie, Cable
	98-6284	1	Silkscreen, Model Identification (Emerald One)		338-2895	1	#Harness, PCB #1
	98-6661	1	Decal, Model Ident (Onan 5000 GenSet)		338-3010	1	#Harness, Battery Charging
	518-0452	1	Sealant, Thread (50cc. Bottle)		338-3054	1	#Harness, Engine
	518-0602	1	Loctite, Bottle (250cc)		502-0028	1	#Plug, Hex Head Pipe
	525-0305	1	Paint, Enamel Touch-Up Green (Non-Metallic) 13 oz. Pressurized Can		509-0096	1	#Seal, O-Ring
	168-0189	1	Kit, Gasket - Carbon Removal (Includes Parts Marked *)		509-0313	1	#O-Ring
	110-3709	3	*Gasket, Valve Box		518-0606	1	#Clip, Linkage
	110-3181	2	*Gasket, Cylinder Head		815-0181	1	#Screw, Hex Head Thread Cutting With ET
	154-2542	1	*Gasket, Exhaust Manifold		815-0590	3	#Screw, Special
	154-2800	1	*+Gasket, Exhaust Manifold		815-0788	1	#Screw, Pan Head Torx
	110-3604	2	*+Seal, Intake Valve		862-0015	1	#Nut, Hex
	154-2746	2	*Gasket, Exhaust Manifold		146-0663	1	Kit, Emissions Auto-Choke Carburetor (Includes Parts Marked ~)
	509-0289	2	*Seal, Valve Stem		146-0630	1	~Carburetor, Emissions and Auto Choke
	154-2495	2	*Gasket, Intake Manifold (BGE)		141-0958	1	~Gasket, Carburetor
	146-0616	1	Kit, Auto-Choke Carburetor (Includes Parts Marked #)		140-2308	1	~Gasket, Air Horn
	G-0194	1	#Instruction Sheet				

* - Parts Included in 168-0189 Gasket Kit.

+ - Parts Included in 168-0187 Gasket Kit.

- Parts Included in Auto-Choke Carburetor Kit.

~ - Parts Included in Emissions Auto-Choke Carburetor Kit.

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-5142, 52		101-0805-30, 7		110-3709, 7, 52		123-1174, 7	
098-5313, 52		101-0809, 7		112-0229, 7		123-1175, 7	
098-5334-01, 41		102-0743, 13		112-0264, 7		123-1615, 17, 21	
098-5543, 40		102-1387, 13		112-0264-01, 7		123-1616, 13	
098-5626, 52		102-1458, 13		112-0264-02, 7		123-1649, 7	
098-5755, 52		102-1493, 13		112-0264-03, 7		123-1871, 9	
098-5777-01, 52		103-0772, 15		112-0264-05, 7		123-1961, 13, 52	
098-5815, 52		103-0810, 15		113-0310, 9		134-4342, 11	
098-5821, 52		104-0032, 11		113-0310-01, 9		134-4348, 33	
098-5852, 52		104-0043, 11		113-0310-02, 9		134-4352, 33	
098-5958, 52		104-0170, 11		113-0310-03, 9		134-4353, 33	
098-6041, 52		104-0575, 7		113-0310-05, 9		134-4354, 33	
098-6074-02, 52		104-0776, 7		113-0314, 9		134-4463, 33	
098-6105-01, 17		104-1735, 11		113-0314-05, 9		140-1894, 17, 21	
098-6164-01, 52		105-0541, 10		113-0314-10, 9		140-1919-70, 17	
098-6276, 52		105-0637, 10		113-0314-20, 9		140-2308, 17, 21, 30, 31, 52	
098-6284, 52		105-0700, 10		113-0314-30, 9		140-2379, 17, 21	
098-6285-02, 52		110-0197, 7		114-0022, 15		140-2725, 52	
098-6285-03, 52		110-0197-10, 7		114-0023, 30		140-2782, 17, 21	
098-6388-02, 52		110-1824, 7		114-0392, 7		140-2962, 17	
098-6402-01, 38, 39, 40		110-1824-02, 7		114-0397, 9		140-3093, 17	
098-6455, 31		110-1824-05, 7		114-0397-10, 9		141-0077, 24	
098-6566, 52		110-1824-10, 7		114-0397-20, 9		141-0281, 21	
098-6587-03, 52		110-1824-25, 7		114-0397-30, 9		141-0700, 24	
098-6618-01, 52		110-1879-01, 7		115-0006, 7		141-0701, 24	
098-6661, 52		110-3181, 7, 52		115-0006-02, 7		141-0708, 24	
098-7315-08, 31		110-3479, 7		115-0006-05, 7		141-0710, 15	
101-0405, 7		110-3480, 7		120-0140, 7, 17		141-0711, 24	
101-0439-01, 7		110-3485, 7		120-0161, 7		141-0736, 24	
101-0804, 7		110-3487, 7		120-0398, 7		141-0906, 24	
101-0804-02, 7		110-3508, 7		120-0491, 7		141-0919, 24	
101-0804-10, 7		110-3509, 7		120-1320, 7		141-0924, 24	
101-0804-20, 7		110-3510, 7		122-0360-50, 14		141-0932, 21, 24	
101-0804-30, 7		110-3511, 7		122-0502, 14		141-0934, 24	
101-0805, 7		110-3515, 7		122-0645, 14		141-0935, 24	
101-0805-02, 7		110-3526, 7		122-0771, 14		141-0936, 24	
101-0805-10, 7		110-3527, 7		122-0814, 14		141-0937, 24	
101-0805-20, 7		110-3604, 52		123-1173, 7			

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
141-0938, 24		148-1108-01, 31		153-0555, 17		155-2174, 35, 37	
141-0939, 24		149-1353, 17		153-0556, 17		155-2449, 35	
141-0940, 24		149-2032-01, 21		153-0557, 17		155-2555-51, 33	
141-0950, 17		149-2080, 17		153-0558, 17		155-2579, 33	
141-0958, 17, 31, 52		149-2140, 17		153-0561, 17		160-1151, 27	
141-0978, 24		149-2226, 17		153-0576, 17		160-1183, 27	
145-0561, 17		149-2269, 17		153-0577, 17		160-1314, 27	
145-0667, 17, 52		149-2279, 17		153-0578, 17		160-1316, 27	
145-0704, 17		149-2293, 17		153-0579, 17		160-1317, 27	
146-0449, 23		149-2319, 17		154-2447, 17, 21		160-1325, 26, 27	
146-0450, 23		149-2331, 17		154-2495, 17, 21, 52		160-1345-01, 25	
146-0453, 23		149-2331-02, 17		154-2537, 35		160-1368, 25, 26, 27	
146-0455, 17, 23		149-2333, 17		154-2538, 35		166-0554, 26	
146-0457, 23		149-2334, 17		154-2539, 37		166-0747, 25, 26	
146-0577, 17, 23, 52		149-2335, 17		154-2540, 35		166-0761, 25	
146-0588, 23		150-0075, 10		154-2542, 35, 37, 52		166-0770, 25	
146-0589, 23		150-0078, 10		154-2551, 35, 37		166-0771, 25	
146-0590, 23		150-0096, 22		154-2627, 35, 37		166-0772, 26	
146-0591, 23		150-0939, 22		154-2662, 35		166-0789-01, 25	
146-0592, 23		150-1187, 15		154-2663, 35		166-0793, 25	
146-0616, 52		150-1519, 10		154-2683, 35		166-0820, 25	
146-0630, 17, 23, 52		150-1520, 10		154-2718, 35		166-0821, 25	
146-0663, 23, 52		150-1612, 22		154-2746, 35, 37, 52		166-0821-01, 25	
146-0723, 21, 24		150-1957, 22		154-2800, 52		166-0842, 25	
146-0727, 24, 31		150-1958-02, 22		154-3026, 21		167-0263-01, 25	
148-0311, 30		150-1998, 15		155-1015, 35, 37		167-0272, 26, 52	
148-0843, 30, 31		150-2002-04, 15		155-1239, 35		167-1602, 25, 26	
148-0890, 21		150-2079, 22		155-1256, 37		167-1615-01, 25, 26	
148-0893, 21		150-2294, 22		155-1258, 35		168-0189, 7, 52	
148-0896, 21		150-2295, 22		155-1485, 35		168-0192, 7	
148-0897, 21		150-2298-01, 22		155-2025-02, 35		191-1667, 28, 29	
148-0898, 21		150-2421, 22, 52		155-2026-02, 35		191-1776, 29	
148-0903, 21		150-2428, 22		155-2036, 35		191-1781, 29	
148-0912, 30		150-2454, 22		155-2049, 35, 37		191-2158, 29	
148-0913, 30		150-2468, 22		155-2049-02, 35		191-2186, 29	
148-1020, 21, 31		150-2493, 22		155-2085, 37		191-2187, 29	
148-1057, 31		150-2589, 22, 52		155-2086, 37		201-3388-03, 45	
148-1107, 31		153-0554, 17		155-2164, 37		204-0134, 45	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
205-0165, 45		307-2501, 21		323-1304, 42, 43, 50		338-2317, 21	
212-1276-03, 45		307-2559-01, 21		323-1312, 47, 49		338-2634, 14, 49	
212-1284, 45		307-2570, 47		323-1314, 47		338-2635, 14, 49	
212-1285, 45		307-2880, 31		323-1329, 49		338-2636-01, 47	
212-1286, 45		308-0949, 47		323-1342, 50		338-2636-02, 47	
214-0103, 45		308-0995, 47		323-1371, 47		338-2644, 21	
220-4133, 45		308-1062, 42, 43		323-1440, 21, 47, 49		338-2766, 51	
220-4135-01, 45		309-0322, 14		323-1486, 21, 47, 49		338-2767, 51	
220-4135-03, 45		312-0246, 27		323-1487-03, 47, 49		338-2768-01, 47	
220-4135-04, 45		312-0249, 26		331-0536, 45		338-2768-02, 47	
220-4135-05, 45		312-0256, 27		332-0147, 21		338-2895, 47, 52	
220-4532-01, 45		319-1237-02, 47		332-0806, 21		338-3010, 45, 52	
226-3457, 28		319-1237-09, 47		332-0819, 45		338-3054, 51, 52	
226-3492-01, 45		319-1238-03, 47		332-0941, 45, 47		338-3466, 43	
226-4599, 52		319-1238-07, 47		332-0942, 28, 50		338-3479, 47	
231-0288-01, 45		319-1238-19, 47		332-1445, 52		338-3510, 42	
231-0381-01, 45		319-6987-01, 42		332-1992, 21		338-3572, 50	
232-2955-02, 45		319-6988-03, 43		332-1993, 21		357-0067, 21, 49	
232-3265, 47		320-1323, 47		332-2112, 47		370-4027, 35	
300-3763-01, 47		320-1548-02, 47		332-2859-01, 47		370-4052, 17	
300-3950, 47		320-1561-02, 47		332-2859-02, 47		402-0547, 13	
300-4901-01, 47		320-1683, 47		332-3075, 47		402-0549, 13	
300-4936, 42		321-0287, 47		332-3198, 25		402-0597, 13	
300-4937, 43		321-0295, 47		332-3328, 45		403-1523-01, 33	
300-4951-01, 43		321-0298, 47		336-2378, 27		403-2218-01, 13	
300-4953-01, 42		321-0321-06, 51		336-9679, 21		403-2280, 38, 39	
302-2002, 43		321-0322-01, 51		337-2311, 13		403-2557-02, 13	
303-0276, 47		321-0323-02, 47		338-1082, 50		403-2557-03, 40	
304-0794, 45		321-0357-02, 52		338-2040, 47		403-2727, 41	
304-0796, 45		323-0400, 50		338-2041, 14, 49		405-3332, 38, 39	
304-0797, 45, 52		323-0440, 50		338-2045, 47		405-3333, 38, 39	
304-0798, 45		323-0488, 50		338-2058, 47		405-3334, 38, 39	
305-0718, 45, 52		323-0500, 50		338-2076, 47		405-3394, 40	
305-0809-01, 47		323-1199, 47, 50		338-2083, 47		405-3397, 40	
305-0809-03, 47		323-1200, 47, 50		338-2083-01, 47		405-3400, 40	
307-1881, 30		323-1298, 45		338-2086, 14, 49		405-3401, 38, 39, 40	
307-1886, 21, 51		323-1302, 49		338-2137, 50		405-3405, 38, 39	
307-2478, 21		323-1303, 50		338-2285, 17		405-3406, 40	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
405-3596, 40		502-1026, 48		510-0014, 15		526-0065, 14, 15	
405-3597, 40		502-1105, 17		510-0015, 10		526-0066, 7	
405-3607, 40		502-1108, 17		510-0099, 45		526-0122, 7, 38, 39, 40, 41	
405-3608, 40		502-1164, 17		515-0001, 10, 11		526-0130, 37, 38, 40	
405-3611, 38		503-0170, 19		515-0263, 11		526-0174, 38, 39, 40, 41	
405-3612, 38		503-0183, 17, 21, 30, 31		516-0072, 7		526-0240, 13	
405-3955-S0, 41		503-0633, 21		516-0130, 15		526-0251, 13	
405-3974, 41		503-0813, 17		516-0141, 7		526-0324, 13	
405-3986, 41		503-1016, 30, 31		517-0048-01, 7		526-0325, 13	
405-3988, 41		503-1048, 30, 31		517-0067, 7		526-0356, 11	
405-3993, 41		503-1133, 17, 21		517-0133, 47		526-0382, 38, 39, 40	
405-3996, 41		503-1190, 21		517-0223, 17		526-0402, 7	
405-3999, 41		503-1252, 17		517-0260, 48		526-1518, 38, 40	
405-4000, 41		503-1313, 17		517-0283, 33		541-0532, 21	
405-4037, 41		503-1351, 17		518-0006, 22		740-1004, 7, 25, 35	
405-4762-02, 39		503-1365, 21		518-0014, 11		740-1006, 17, 19, 21, 35	
405-4763-02, 39		503-1551, 48		518-0311, 7		800-0002, 38, 40	
406-0566, 38, 39, 40		504-0150, 13		518-0350, 30, 31		800-0004, 25, 37	
406-0567, 38, 39, 40		505-0051, 30		518-0387, 17		800-0005, 35, 38, 40	
406-0568, 38, 39, 40		505-0057, 30, 31		518-0450, 17		800-0007, 7, 35	
406-0655, 41		505-0101, 31		518-0452, 52		800-0008, 31	
406-0657, 41		505-0120, 31		518-0459, 17		800-0010, 7	
501-0525, 21		505-0131, 31		518-0460, 45		800-0017, 17, 21	
502-0002, 17		505-0266, 13		518-0466, 17		800-0026, 35, 37, 38, 39, 40, 41	
502-0028, 19, 52		505-0332, 30		518-0515, 19		800-0028, 14, 30, 31	
502-0054, 21		505-1426, 21		518-0533, 45		800-0029, 41	
502-0065, 19		508-0008, 38, 40		518-0582, 22		800-0033, 17, 19, 21	
502-0238, 30		508-0051, 38, 39, 40		518-0602, 52		800-0036, 35	
502-0313, 17		508-0071, 38, 39, 40, 41		518-0606, 22, 52		800-0048, 33, 38, 39, 40	
502-0395, 30, 31		508-0272, 45		520-0961-02, 45		800-0051, 7	
502-0838, 21		509-0008, 15		525-0305, 52		800-0052, 28	
502-0927-01, 21		509-0040, 15		526-0002, 17		800-0058, 13	
502-0928-01, 21		509-0041, 7		526-0003, 21		800-0517, 41	
502-0929-01, 21		509-0096, 13, 52		526-0017, 11, 39		800-0533, 39	
502-0932-01, 21		509-0196, 45		526-0018, 7, 30, 31, 35		800-0545, 15	
502-0933-01, 21		509-0289, 7, 52		526-0021, 17, 21		800-0571, 7	
502-0935, 21		509-0313, 52		526-0032, 45			
502-0965-01, 21		510-0013, 15		526-0063, 7			

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
800-0575, 7, 45		815-0591, 17, 21		815-0910, 42, 43		853-0013, 17, 31, 45	
800-0589, 41		815-0592, 17		820-1077, 15		854-0010, 30	
800-0730, 35, 37		815-0646, 45		821-0003, 47		856-0008, 13	
801-0049, 7		815-0647, 21		821-0005, 21		856-0010, 33	
802-0034, 26, 27		815-0650, 25		821-0009, 31, 33		862-0001, 28, 30, 31	
802-1038, 45		815-0657, 13		821-0010, 13, 33		862-0003, 28, 45	
803-0071, 7		815-0660, 45		821-0014, 13, 38, 39, 40		862-0015, 17, 21, 52	
813-0117, 30		815-0661, 45, 47		821-0016, 13		870-0131, 22, 47	
815-0046, 15		815-0664, 17, 21		821-0029, 35, 37		870-0183, 47	
815-0176, 21		815-0691-01, 45, 47		821-0031, 13		870-0203, 45	
815-0181, 51, 52		815-0692-01, 17, 21		821-0033, 38, 40		870-0212, 35	
815-0261, 21, 26, 33, 35		815-0692-02, 17, 47		850-0038, 26, 27		870-0221, 21	
815-0290, 17, 25, 35		815-0712, 45		850-0040, 21, 28, 30, 31, 37, 38, 40		870-0257, 15, 30, 31, 38, 39, 40	
815-0340, 14		815-0759, 33		850-0045, 37		870-0328, 15, 25	
815-0358, 27		815-0770, 25		850-0050, 7, 28, 45		870-0415, 33	
815-0385, 47		815-0782, 19		850-0055, 45		870-0421, 17	
815-0550, 47		815-0788, 45, 52		850-2005, 26		870-0437, 38, 40	
815-0550-01, 47		815-0791, 47		851-0031, 15		870-0533, 7	
815-0587, 17, 21		815-0908, 45					
815-0590, 17, 21, 52							



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